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Established in [AUSTRALASIA, 1885.

No. 1,880. Vol. LXXXVIII. FEBRUARY 5, 1916.

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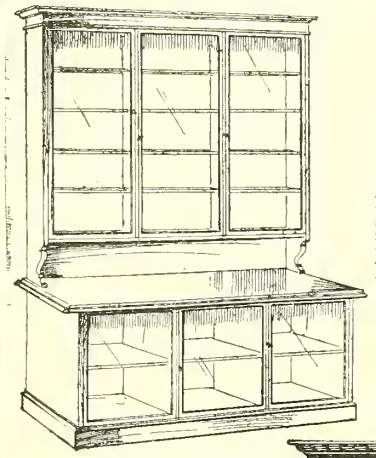

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6 ft. „ „	...	9 7 6
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9 ft. „ „	...	13 7 6
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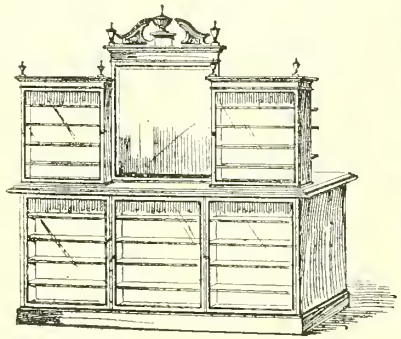
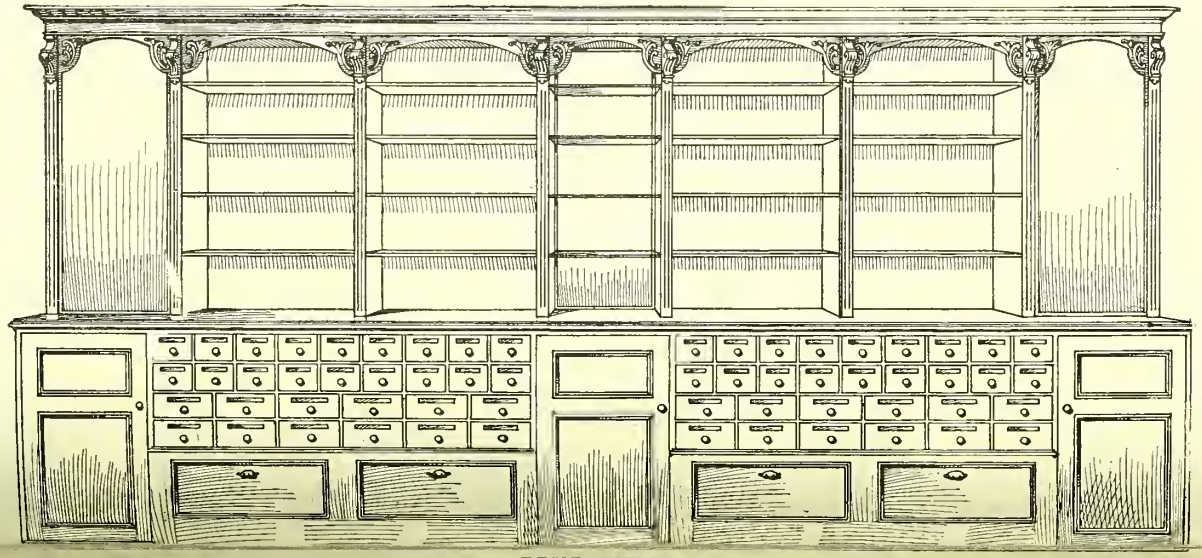
6 ft. „ ×	2 ft. ×	6 ft. „	... 10 7 6
7 ft. „ ×	2 ft. ×	6 ft. „	... 11 10 0
5 ft. Top portion only...			£5 5 0
6 ft. „	„		... 5 17 6
7 ft. „	„		... 6 10 0



DISPENSING SCREEN



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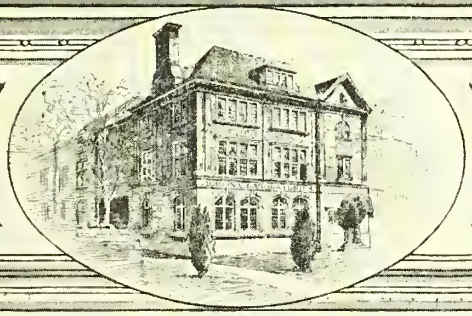

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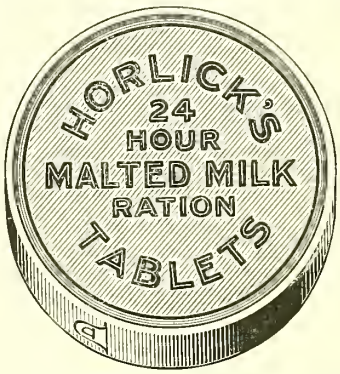

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INDEX TO ADVERTISEMENTS IN THIS ISSUE.

	Page
A.B. ttle Kitchener Co., Ltd.	28
Alex rs, L.	xvii
Allc s Manufacturing Co.	xii
Allei afford, & Sons, Ltd.	Cover
Allis Drug & Chemical Co.	x
Arnf , J. C., & Sons, Ltd	vii
Art edical Brush Mfg. Co.	18
Asht & Parsons, Ltd.	xix
Atkii & Barker	viii
Ayrt rahem, Ltd.	28
Bake arson C.	Col. Supp.
Bath Vest of England College	26
Batle Lewis, & Co.	xvi
Beeot , T.	ix
Beeth , M., & Son	30
Becke hillan & Co.	vii
Berdo Fish	Col. Supp.
Bidwe Bidwell & Co., Ltd.	16
Blyth J., & Co., Ltd.	vii
Bond,	xv
Bowle ., & Son	28
Bresil , M., & Co.	8
Brett o.	Col. Supp.
British rug Houses, Ltd.	32
British ilk Products Co., Ltd.	22
British asteur Filter Co.	12
Brook, rker & Co. Ltd.	xi
Brunn Mond & Co., Ltd	Cover
Burge, rren & Ridgley, Ltd.	xiii
Burrou . J., Ltd	Text 198
Borreu Wellc & Co	31
Burt, B ton & Haywood, Ld.	Cover
Bush, J., & Co., Ltd.	Cover
Cadbu Bros., Ltd.	Cover
Calder, & Co., Ltd.	18
Camwe td.	24
Cellonit o.	vi
Celtol ply Agency	29
Chatelain, J. L.	v
Cheltenham Natural Water Co.	12
Christy, T., & Co.	xvii
College of Optics	26
Condy & Mitchell, Ltd.	i
Cook, E., & Co., Ltd.	15
Cook, Geo.	Col. Supp.
Cooper, Son & Co., Ltd.	xvi
Cox, Arthur H., & Co., Ltd.	i
Cuxson, Gerrard & Co., Ltd.	xii
Darton, F., & Co.	21
Day & Sons (Crewe), Ltd.	xviii
Dearborn, Ltd.	10
Delons, Ltd.	xvi
Denoual, J., & Co.	xi
Digestive Ferments Co.	12
Eichero Insecticide Prod. Co.	xvii
Eley Bros., Ltd.	20
Exchange Column	Col. Supp
Express Development Co.	xv
Fabra Co., Ltd., The	v
Fairchild Bros. & Foster	Cover
Farmer, F., & Co.	xvi
Faulding, F. H., & Co.	16
Ferris, J. & E.	xiv
Ferry, T., & Son, Ltd.	23
Fink, F., & Co.	xvi
Fletcher, Fletcher & Co., Ltd.	3, Text 198
Frame Food Co.	22
Fuerst Bros.	iv
Gardner, W., & Sons	xiv
Gates, Leslie	30
Golodetz Bros. & Co.	iv
Gower, J.	Col. Supp.
Greeff, R. W., & Co.	9
Guillevic, E., & Co.	17
Hair, B. W., & Son	29
Halder, E. C.	xvi
Harley, T.	xvii
Harrington Bros., Ltd.	vi
Henry, T. & W.	viii
Hewlett, C. J., & Son, Ltd.	iv
Heymann, Harry	xvi
Hollandsche Melksuikerfabrick	vi
Horlick's Malted Milk Co.	4
Hospitals & General Contracts Co., Ltd.	xvi
Howards & Sons, Ltd.	iii
Huisking, Chas. L.	iv
Isaacs, I., & Co.	xiv
Josephs, P., & Sons, Ltd.	2, Col. Supp.
Keene Co., The	8
Kemp's Vulcanising Co., Ltd.	xvi
Kent, G. B., & Sons, Ltd.	16
Knox-Walker, J., & Co., Ltd.	30
Kingsley & Thackeray Hotels, Ld.	30
Kutnow, S., & Co., Ltd.	25
Kyho Proprietary, Ltd.	20
Laporte, B., Ltd.	ix
Levermore, A., & Co., Ltd.	xvi
Liverpool School of Pharmacy	26
Lofthouse & Saltmer, Ltd.	23
Longcroft, H. M.	xvii
McAdam & Tuckniss	Col. Supp.
M'Glashan, D.	23
Macnair, A., & Co.	xvi
MacQueen, J., & Co.	Col. Supp.
Madoery, Herm.	xvi
Magnus, Mabee & Reynard Inc	16
Mallinckrodt Chemical Works (Canada) Ltd.	vii
Mallock-Armstrong Ear Defender Co.	29
Maw, S., Son & Sons	11
Mason Bros. & Chapman	xiv
McKesson & Robbins	i
Meade-King, Robinson & Co.	19
Millar, A., & Co., Ltd.	xvi
Mitchell, N. W., & Sons, Ltd.	29
Monsanto Chemical Works	v
Mumford, G. S., & Sons	Text 198
Naef, M., & Co.'s Successors	16
National Cash Register Co., Ltd.	21
Natural Food Co., Ltd.	22
Nitsche & Gunther Optical Co. Ld.	27
Ni-Verre Chemical Co	xvii
Oldfield, Pattinson & Co.	7
Orridge & Co.	Col. Supp.
Orrocks, Ltd	xii
Phillips, Charles H., Chemical Co.	Text 198
Picerno, V. A.	iv
Preston & Liverpool Dist. Co. Ld.	xiv
Price's Patent Candle Co., Ltd.	14
Raworth, J. E.	xvi
Rendell, W. J.	xiii
Richford, C. D	xvii
Rigaud-Chapelle	13
Robinson, R., & Co., Ltd.	xv
Rooke, Dr Chas., Ltd.	29
Rubeck, H.	Text 198
Rudduck & Co.	Col. Supp.
Sangers	xx
Sanitas Co. Ltd	Text 198
Scheller, Emil, & Co.	vi
Scholl Manfg. Co., Ltd.	xiv
Sim, Ltd.	iv
Singleton & Cole, Ltd.	xvii
Smith, T. & H., Ltd.	viii
Solazzi	29
South of England College	26
Squire & Sons, Ltd.	Cover
Stern Sonneborn Oil Co., Ltd.	19
Stipendum Stopper Co.	20
Suttley & Silverlock, Ltd.	28
Telma Manufacturing Co.	xvii
Thompson, J. L., & Co.	xi
Thompson-Knox Co.	xiv
Thornley, S., Ltd	8
Titterton & Howard	18
Tomlinson & Hayward, Ltd	23
Tomlinson, T., & Son	Col. Supp.
Tommy's Cooker Co., Ltd.	22
Townsend, J., & Son	21
Van Horn & Sawtell	xvi
Vernon, Will, & Sons	xvii
Viscose Development Co., Ltd	20
Waide, T., & Sons	26
Wand Manufacturing Co.	xi
Washington Chemical Co., Ld.	Cover
Westminster Coll. of Pharmacy	26
West, T., & Son	30
Whiffen & Sons, Ltd.	viii
Whitaker & Co.	19
Wood, Vincent	xii
Woodward, W., Ltd.	ii
Woolley, J., Sons & Co., Ltd.	Cover

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Venesta, Ltd.

Combs
Hovenden, R., & Sons, Ltd

Condensers
Bennett, Sons & Shears, Ltd

Confectionery, Medicated
Guest, Thos., & Co.
Pascall, James, Ltd.

Continental Props.
American Drug Supply Co.
Bresillon, M., & Co.
Roberts & Co.
Wilcox, Jozeau & Co.

Cookers
Blackie, Robt.
Tommy's Cooker Co., Ltd.

Corks
Ardwick Cork Depot
Mitchell, N. W., & Sons, Ltd

Corn Plasters, &c.
Solport Bros.

Counter Adjuncts
Evans Sons Lescher & Webb, Ld

Counter Specialities
Allen & Hanburys, Ltd.
British Drug Houses, Ld., The
Burgoyne, Burbidges & Co.
Hewlett, C. J., & Sons, Ltd
Southall Bros. & Barclay, Ltd
Wright, Layman & Umney, Ld

Counting and Filling Machine
Forgrove Machinery Co., Ltd

Court Plaster
Solport Bros.

Cream of Tartar
Becker, Shillan & Co.
Fuerst Bros.
Pelliot, Henri, & Cie

Creosote
Baiss Bros. & Stevenson Ltd

Crepe Bandages
Burge, Warren & Ridgley, Ltd.
Gimber, W., & Son
Norwich Crepe Co. (1856), Ltd.
Wood, Vincent

Cyanides
May & Baker, Ltd.

Dairy Specialities
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.
Tomlinson & Hayward, Ltd.

Deafness Preventive
Mallock-Armstrong Ear Defender Co.

Dental Mechanics
Fentiman, A. G.
Halder, E. C.
Wardale & Co.

Dentifrices
Beecham, T.
Bell (John), Hills & Lucas, Ld.
Blackie, Robert
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd
Sucryl, Ltd.
McKesson & Robbins
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Standard Tablet & Pill Co., Ld.
Woolley, J., Sons & Co., Ltd.

Developers (Photo.)
Evans Sons Lescher & Webb
Express Developing Co.
Fuerst Bros.

Dextrin
Fink, F., & Co.

Digestive Products
Armour & Co., Ltd.
Digestive Ferments Co.
Fairchild Bros. & Foster
Parke, Davis & Co.
Stearns, Fredk., & Co.

Disinfectants
Baiss Bros. & Stevenson, Ltd
Burgoyne, Burbidges & Co.
Burt, Boulton & Haywood, Ld
Celtol Supply Agency
Cook, E., & Co., Ltd.
Harker, Stagg & Morgan, Ltd.
Hough, Hoseason & Co.
Jeyes' Sanitary Compds. Ltd.
Morris, Little & Son, Ltd.
Reitmeyer Calburn & Kindersley, Ltd.
Sanitas Co., Ltd.
Stevenson, H. E., & Co.
Willows, Francis, B. & T., Ltd.
Wright, Layman & Umney, Ld.

Drop Bottles
Lang, Jules, & Son

Druggists' Sundries
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ld.
Burgoyne, Burbidges & Co.

Bush, H. W., & Co., Ltd.
Cuxson, Gerrard & Co., Ltd.
EvansSons Lescher & Webb, Ld
Hovenden, R., & Sons, Ltd.
Longcroft, H. M.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Renter, R. J. | Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd
Swales, Thomas
Telma Manufacturing Co.
Toogood, W., Ltd.
Woolley, J., Sons & Co., Ltd

Drugs, Crude
Dodge & Olcott Co
Gathergood's Exor.
Goodall, Backhouse & Co.
Lambert, Saml., & Co.
McKesson & Robbins
Morrison, R., & Co.
Potter & Clarke, Ltd.
Raimes & Co.

Eau de Cologne
Bronnley, H., & Co., Ltd.
Bush W. J., & Co., Ltd.
Christy, Thos., & Co.
Erasmic Co., Ltd.
Lescol Perfumery Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd
Newbery, F., & Sons, Ltd.
Sangers
Schutze, F., & Co., Ltd.
Vinolia Co., Ltd.

Eau de Cologne (solid
Demuth's Laboratories

Educational Institutions
Bath & West of England College
Birmingham & Midland Coll.
British Optical Institute
College of Preceptors
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
South of England College
Westminster College

Elastic Gum Insts.
Mason Bros. & Chapman

Elastic Hosiery
Ayrton, Saunders & Co., Ltd.
Bailey, W. H., & Son
Burge, Warren & Ridgley, Ld
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Wood, Vincent

Electrical Novelties
Millard Bros., Ltd.
Ward & Goldstone
Wright, Archd. J., Ltd.

Emery and Cloth
Oakey, J., & Sons, Ltd.

Emetine Salts
Carnegie Bros.
Macfarlan, J. F., & Co.
Whiffen & Sons, Ltd

Emulsifiers
Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

Emulsions, C.L.O., &c.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd
Blackie, Robert
Browning, Wm., & Co.
Cupal, Ltd.
Faulding, F. H., & Co.
Parke, Davis & Co.
Stevenson, H. E., & Co.
Wyleys, Ltd.

Enamelled Hospital Requisites
Orme, Evans & Co., Ltd.

Endolytic Tubes
Fletcher, Fletcher & Co. Ltd

Enemas
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd

Epsom Salts
Blythe, Wm., & Co., Ltd.
Howards & Sons, Ltd.
May & Baker, Ltd.
Mumford, G. S., & Sons

Essences, Sol. and Fruit
Alliance Drug & Chem.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Polak & Schwarz
Stevenson & Howell, Ltd
Whittaker, Arthur

Ethers
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

Eucalyptus Oil
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

Evaporators
Forshaw, E., & Son, Ltd.

Extract of Herbs
Newhall & Mason
Potter & Clarke, Ltd.

Extracts (Medicinal)
Allen, Stafford, & Sons, Ltd.
Burroughs Wellcome & Co.
EvansSons Lescher & Webb, Ld.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W. & Son, Ltd.

Feeding Bottles
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.

Filling Machines
Forgrove Machinery Co., Ltd
Roberts' Pat. Filling Mach Co.

Filters
British Pasteur-Chamberland Filter Co.

Flycatchers
Kay Bros., Ltd.
Smith, Jno. H., & Co.

Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
British Milk Products Co.
Fairchild Bros. & Foster
Frame Food Co.
Harker, Stagg & Morgan, Ltd
Horlick's Malted Food Co.
Lorimer, John
Lofthouse & Saltmer, Ltd.
Natural Food Co., Ltd.
Sister Lauras Infant Food Co.
Southall Bros. & Barclay, Ltd
Wander, A., Ltd.
White, A. J., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.

Foot Appliances
Scholl Mnfg. Co., Ltd.

Foot Warmers
Swales, Thos.

Fruit Drink
McGlashan, D.

Fuller's Earth
Mumford, G. S., & Sons

Fumigators
Sanitas Co., Ltd.

Gallic Acid
Mallinckrodt Chem. Works

Gauzes
Bailey, R., & Son
Carnegie Bros.
Taylor, W. G.

Gelatines
Crampton, J., & Co., Ltd.

Glassware, Chemical
De Roubaix & Cassiere
Lang, Jules, & Son
Melin C., & Co.
Thompson, J. L., & Co.

Glycerin
Price's Patent Candle Co., Ltd.

Glycerophosphates
Reitmeyer Calburn & Kindersley, Ltd.

Gold Beaters' Skin
Gates, Leslie

Gold Chloride
Johnson, Matthey & Co.

Grease Paints
Hovenden, R. & Sons Ltd.
Quelch, Henry C., & Co.

Grinders, Drug, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water
Woodward, W., Ltd.

Gums
Fink, F., & Co.
Kidston, W. M., & Co.
Lambert, Saml., & Co.

Hair Dyes
Blackie, Robert
Harker C. R., Stagg & Morgan
Knox Walker, J., & Co.

Hair Preparations
Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Edwards' "Harlene" Co.
Franklin Co.
Kolene Co.
Ni-Verre Chemical Co.
Sangers

Hand Carts, Trucks, &c.
Crewe & Co.

Hat Cleaners
Cox, Arthur H., & Co., Ltd.
Milner's Chemical Co.

Hat Dyes
Whitaker & Co.

Herbs
Brook, Parker & Co., Ltd.
Potter & Clarke, Ltd.

Homœopathic Medicines
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.

Horse Remedies
Harvey & Co. (Dublin), Ltd.

Hot Water Bottles
Bailey, W. H., & Son
Berton, Arthur, Ltd.
Burge, Warren & Ridgley, Ltd.
Galen Manfg. Co., Ltd.
Maw, S., Son & Sons
Toogood, William, Ltd.
Warne, Wm., & Co., Ltd.
Wood, Vincent

Hot Water Bottle Covers
Cuxson, Gerrard & Co., Ltd.

Hotels
Kingsley Hotel
Thackeray Hotel

Hydrogen Peroxide
Laporte, B., Ltd.

Hypodermic Syringes
Turner, W., & Co., Ltd.

Hypophosphites
May & Baker, Ltd
Tyrer, T., & Co., Ltd.

Ink, Dichroic
Bewley & Draper, Ltd.

Insecticides
Christy, T., & Co.
Cook, E., & Co., Ltd.

Insect Powder
Eichiro Insecticide Co.
Potter & Clarke, Ltd.
Raimes & Co.

Iodides
Tyrer, T., & Co., Ltd.
Whiffen & Sons, Ltd.

Lactic Acid
Heymann, H

Lanolines
Bonaventura, F., & Co.
Corbyn, Stacey & Co., Ltd.
Hillcrest Oil Co., Ltd.
Howard Lloyd & Co., Ltd.

Lard
Ewen, J., & Sons

Lavender Oil
Allen, Stafford, & Sons, Ltd.
Guillevic, E., & Co.
Ransom, W., & Son, Ltd.

Lavender Water
Bush, W. J., & Co., Ltd.
Sangers
Vinolia Co., Ltd.

Lime Juice and Cordial
EvansSons Lescher & Webb, Ld
Idris & Co., Ltd.

Linseed, Crushed
Mumford, G. S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Taylor, W. G.
Vernon & Co., Ltd.

Liquorice Juice
Boehm, F., Ltd.
Jackson, Ernest, & Co
Mumford, G. S., & Sons
Solazzi

Liquors, Conc.
Fletcher, Fletcher & Co.

Lithia Salts
British Drug Houses, Ld., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofah Socks
Davis, J. M., & Sons

Loofahs
Hall Forster & Co., Ltd
Internl. Sponge Importers, Ld
Solport Bros., Ltd.

Lozenges
Cox, Arthur H., & Co., Ltd.
Crosse & Blackwell
Denoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Parke, Davis & Co.
Potter & Clarke, Ltd.
Raimes & Co.
Warrick Bros., Ltd.

Lysols
Burt, Boulton & Haywood, Ld
Eucryl Ltd.
EvansSons Lescher & Webb, Ld
Lysol, Ltd.

Machinery, Pharmacal
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Blair, Campbell & McLean, Ld.
Forgrove Machinery Co., Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, John J., & Sons, Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and Preps.
Henry, T. & W.
Howards & Sons, Ltd.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ld.

Malt Extract and Preps.
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ld., The
Burroughs Wellcome & Co.
Calder's Yeast Co., Ltd.

Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
EvansSons Lescher & Webb, Ld
Fletcher, Fletcher & Co., Ltd.
May, Roberts & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Tolkein, C., & Co.
Wander, A., Ltd.
Wyleys, Ltd.

Marking Ink
John Bond ('Crystal Palace')

Measures, Graduated
Bush, H. W., & Co., Ltd.

Meat Extracts
Armour & Co., Ltd.
Brand & Co., Ltd.

Menthol
Carnegie Bros.

Mercurials
Alliance Drug & Chemical Co
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Methylated Spirit
Burrough, J., Ltd.
Preston's Liverpool Distillery [Co., Ld.
Randall & Son, Ltd.
Riddell & Smith
Thornley, Samuel, Ltd.

Mineral Waters
Camwal, Ltd.
Cheltenham Mineral Water
Idris & Co., Ltd.
Ingram & Royle, Ltd.
Perrier, Ltd.
Vichy-Celestins

Mixers and Sifters
Gardner, Wm. & Sons (Glos.) Ld
Stokes, F. J., Machine Co.

Naphthalene
Burt, Boulton & Haywood, Ld.

Nebulizers
Reuter, R. J.

Night Lights
Price's Patent Candle Co., Ld.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co
Boake Roberts & Co., Ltd.
Boehm, F., Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
EvansSons Lescher & Webb, Ld
Guillevic, E., & Co.
Lambert, Saml., & Co.
Lane-Hall, R., & Co.
London Essence Co.
Magnus, Mabee & Reynard Inc.
Morrison, R., & Co.
Naef, M., & Co.
Polak & Schwarz
Ransom, W., & Son, Ltd.
Rubeck, H.
Stevenson & Howell, Ltd.
Welch & Horner
Wiener, R. O., & Co.
Wright, Layman & Umney, Ld.
Zimmermann, C., & Co., Ltd.

Oils, Mineral, Fatty, &c.
Allen, Stafford, & Sons Ltd.
Boehm, F., Ltd.
Price's Patent Candle Co. Ld.
Stern Sonneborn Oil Co., Ltd.

Ointments
Blackie Robert
Burgess, E.
Charleston & Co.
Milne, P. H., Co.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol) Ltd.
Sangers

Olive Oil
Farris, Charles
Fuerst Bros.
Guillevic, E., & Co.

Opium Preparations
Ferris & Co., Ltd.
Oldfield, Pattinson & Co.

Optical Goods
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical Co., Ltd.
Standard Optical Co., Ltd.

Optical Tuition
British Optical Institute
College of Optics

Orange and Quinine Wine
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

Organic Solvents
Hopkin & Williams, Ltd.

Organo-Therapeutic Preps.
Armour & Co., Ltd.
British Organotherapy Co., Ld
Digestive Ferments Co.
Duncan Flockhart & Co.
Stearns, Fredk., & Co.

Otto Rose
Guillevic, E., & Co.
Zimmermann, C., & Co., Ltd.

Otto Rose (Synth.)
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Kerfoot, Thos., & Co.
Polak & Schwarz
Stevenson & Howell, Ltd
Stevenson, H. E., & Co.
Warrick Bros., Ltd.
Wright, Layman & Umney, Ld.

Oxygen Gas (in Cylinders)
Lea & Son

Packed Goods
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons, & Co.
EvansSons Lescher & Webb, Ld.
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Levers
Lofthouse & Saltmer, Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Co
Potter & Clarke, Ltd.
Sangers
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd
Standard Tablet & Pill Co., Ld.
Toogood, W., Ltd.

Palatinoids
Oppenheimer, Son & Co., Ltd.

Paper Handkerchiefs
Toinoco Handkerchief Co., Ld

Paraffinum Liquidum
Browning, Wm., & Co
Chesebrough Mnfg. Co.
Farris, Charles
Produce Brokers Co. Ltd.
Stern Sonneborn Oil Co. Ltd.
Wiener, R. O., & Co.

Paste Powder
Daxo Adhesive Paste Powder Co.

Pastilles
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co.
Demuth's Laboratories
Evans Sons, Lescher & Webb
Guest, Thos., & Co.
Kerfoot, Thomas, & Co.
Wander, A., Ltd.
Warrick Bros., Ltd.

Patent Agents
Barker, R. W.
Raworth, John E.

Peppermint Oil
Allen, Stafford, & Sons Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Ransom, W., & Son, Ltd.
Rudd, F. M.
Stevenson & Howell, Ltd.

Pepsine
Digestive Ferments Co.
Stearns, Fredk., & Co.

Peptone
Armour & Co., Ltd.
Digestive Ferments Co.
Fairchild Bros. & Foster
Stearns, Fredk., & Co.

Perfume Materials
Bush, W. J., & Co., Ltd.
Guillevic, E., & Co.
Kerfoot, T., & Co.
Lane-Hall, R., & Co.
Naef, M., & Co., Sncrs.
Polak & Schwarz
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ld.
Zimmermann, C., & Co. Ltd.

Perfumes
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ld., The
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Demuth's Laboratories
Erasmic Co., Ltd.
EvansSons Lescher & Webb, Ld
Lescol Perfumery Co.
Potter & Clarke, Ltd.
Price's Co., Ltd.
Quelch, H. C., & Co.
Rigaud
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ld.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T., & Son

Perles
Tye, John, & Son

Pessaries (Soluble)
Burge, Warren & Ridgley, Ld.
Rendell, W. J.

Petroleum Jelly
Chesebrough Manfg. Co.
Kidston, W. M., & Co.
Meade-King, Robinson & Co.
Stern Sonneborn Oil Co., Ltd.
Wiener, R. O., & Co.

Phenacetin
Greeff, R. W., & Co.
Monsanto Chemical Works

Phosphorus and Preps.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

Photo. Chemicals
Fuerst Bros.
Greeff, R. W., & Co.
Lane-Hall, R., & Co.
Reitmeyer, Calhurn & Kindersley, Ltd.

Pl[illegible]to. Goods
Ayrton [illegible] aunders & Co., L[illegible]
Burron[illegible] Wellcome & C[illegible]
Butche[illegible] W., & Sons, Ltd.
EvansS[illegible] Lescher & Webb,
Kent, G[illegible], & Sons, Ltd.
Lennon [illegible]td.
May, R[illegible]rts & Co., Ltd.
Newbe[illegible] F., & Sons, Ltd.
Rajar, [illegible]
Sanger[illegible]
Wyleys [illegible]d.

Pho[illegible] Postcard
Rajar, [illegible]

Pi[illegible] Powders
Mumfo[illegible] G. S., & Sons

P[illegible] Makers
Comsto[illegible] W. H., Co., Ltd
Cox, A.[illegible] & Co., Ltd.
Davies, [illegible]ns & Co.
Howar[illegible]loyd & Co., Ltd.
Kirby, [illegible] & T., & Co., Ltd
McKes[illegible] & Robbins
Standa[illegible]ablet & Pill Co.,
Wand [illegible]nufacturing Co.

[illegible]lasters
Allcock [illegible]nufacturing C[illegible]
Datmas [illegible] de St., & Co.
Galen [illegible]nfctg. Co., Ltd

[illegible]atinum
Johnso[illegible] Matthey & Co.

Polis[illegible]s (Vario[illegible]
Bradley [illegible] Bourdas
Oakey, [illegible] & Sons, Ltd.

Po[illegible]der Paper
Papier [illegible]dré Ltd.

[illegible]rinters
Cartwri[illegible] & Rattray, L[illegible]
Ford, S[illegible]land & Co.
Suttley [illegible]ilverlock, Ltd.
Townse[illegible] J., & Sons
Waide, [illegible] & Sons
Wilkins[illegible] James F.

P[illegible]prietary [illegible]rticles
Anglo-A[illegible]r. Pharm. Co.,
Ashton [illegible]arsons, Ltd.
Beecha[illegible]
Bell (Jo[illegible] Hills & Lucas
Bishop, [illegible]red, Ltd.
Browni[illegible] W., & Co.
Burgess[illegible]
Christy [illegible] & Co.
Cupal, [illegible]
Daisy, [illegible]
Davenp[illegible] J. T., Ltd.
Deicns, [illegible]
Edward[illegible]., & Son
Fellows [illegible]ed. Manfg. Co
Fennin[illegible] Alfred
Fulford [illegible]E., Ltd.
Goodall, [illegible]ckhouse & Co
Homme[illegible] Dr.) Haematog
Kay Br[illegible] Ltd.
Kutnow[illegible], & Co., Ltd.
Kyho P[illegible]rietary, Ltd.
Laborat[illegible] of General [illegible]mecol[illegible]
Mandell[illegible]Co., Ltd.
May, Ro[illegible]ts & Co., Ltd
Newber[illegible]., & Sons, Ltd
Oppenh[illegible]er, Son & Co.,
Owbrid[illegible] W. T., Ltd.
Peat Pr[illegible]cts (Sphagnol
Phillips [illegible]es. H., Uses
Primer, [illegible]
Sangers [illegible]
Standar[illegible]ablet & Pill Co
Tunbrid[illegible] & Wright
Wander [illegible], Ltd.
Warrick [illegible]os. Ltd.
Willcox[illegible]zean & Co.
Woodwa[illegible] W., Ltd
Wright, [illegible]man & Umney

[illegible]Puffs
Schutze, [illegible] & Co., Ltd.
Solport [illegible]s.

Pyr[illegible]allic Aci[illegible]
Greeff, R[illegible]., & Co.

Quin[illegible] and Sa[illegible]
Alliance[illegible]g & Chem. C[illegible]
Bandoen[illegible]inine Fact[illegible]
Carnegie [illegible]os.
Corbyn, [illegible]cey & Co., Ltd
Greeff, R[illegible]., & Co.
Howard [illegible] Sons, Ltd

Ra[illegible]o-active [illegible]nerals
Harring[illegible] Bros., Ltd.

[illegible]dium C[illegible]pounds
Glsw, F. [illegible]

[illegible]zors
Hovende[illegible]., & Sons, Ltd
Kelland, [illegible]P.
Maw, S., [illegible] & Sons

[illegible]cents
Hopkin [illegible]lliams, Ltd.

[illegible]cipes
Brooks, [illegible]

Resir[illegible] Resinoid[illegible]
Allen, St[illegible]., & Sons, Ltd
Macfarla[illegible] F., & Co.
Ransom, [illegible] & Son, Ltd.
Smith, T. [illegible]., Ltd.

R[illegible]bber Goods
Altrinch[illegible]ubber Co.
Berton, A[illegible], Ltd.
Burge W[illegible] & Ridgley, L[illegible]
Davol Ru[illegible] Co.
Haywood[illegible]., Ltd.
Maw, S., [illegible] Sons
Tompkin[illegible] Ltd.
Warne, W[illegible] Co., Ltd.

Rub[illegible] Stamps
Richford, [illegible]

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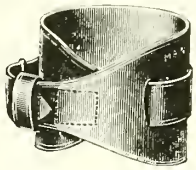

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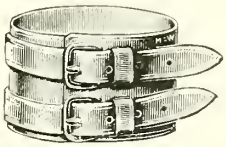

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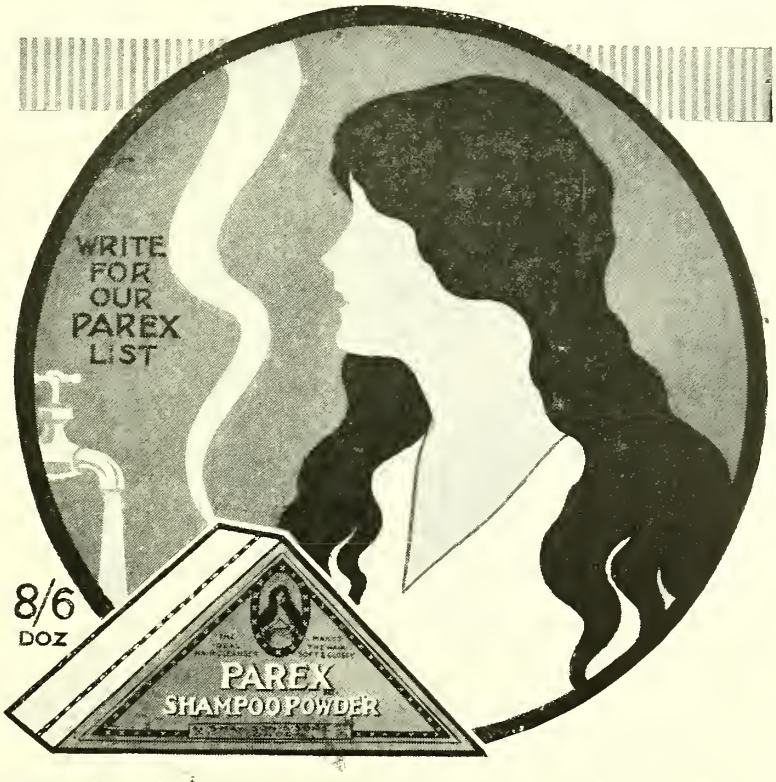

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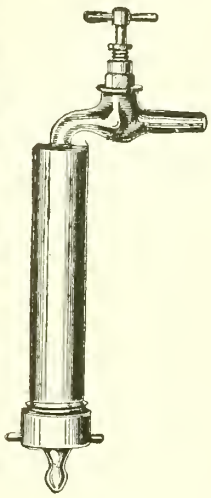

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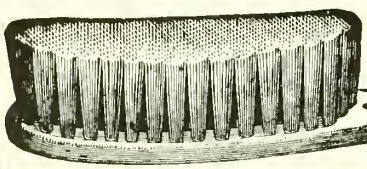

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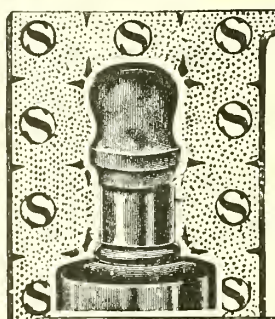

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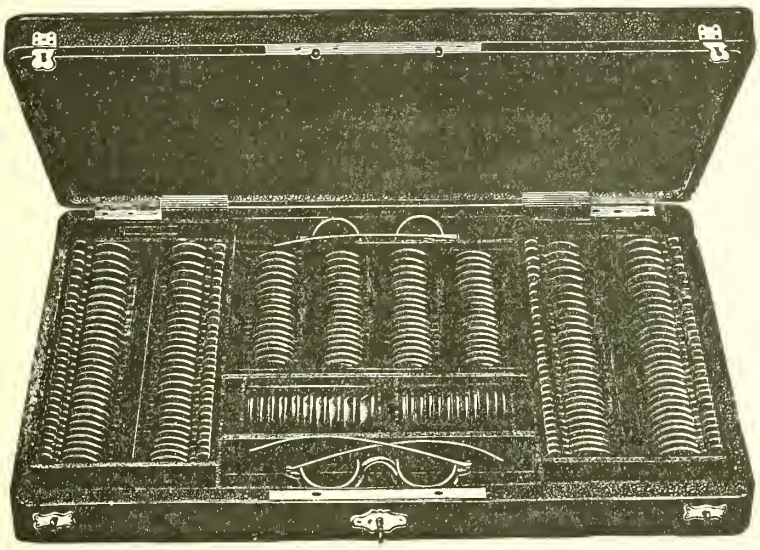

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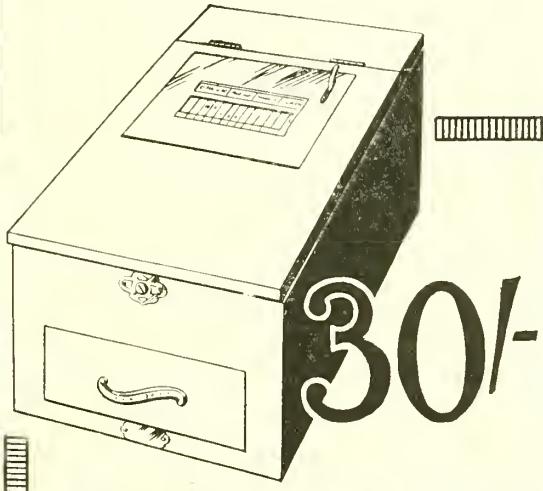

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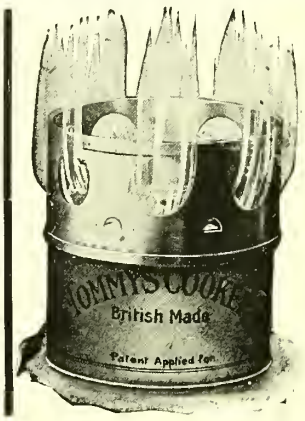

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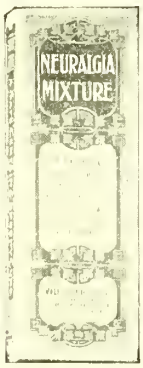

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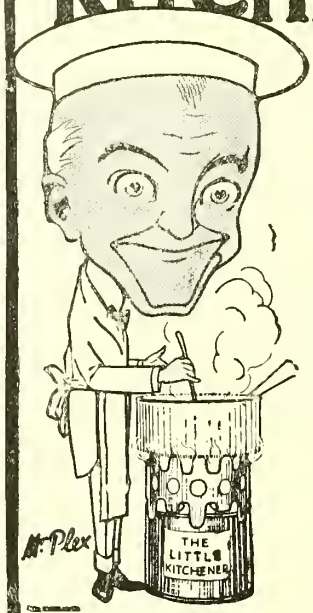

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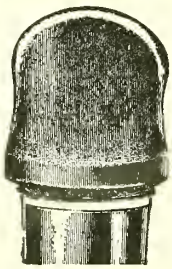

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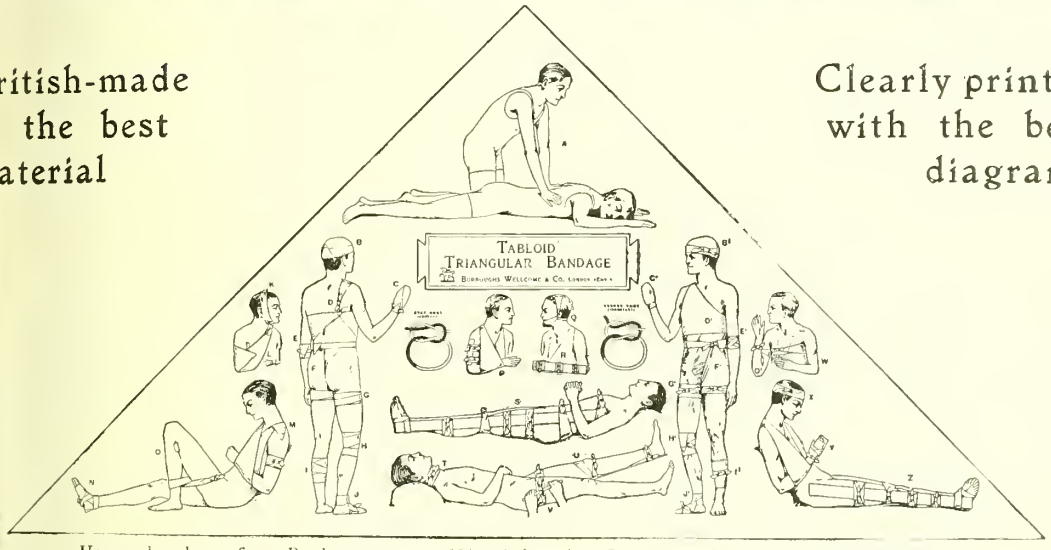

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Although our ordinary terms have been recently revised so as to allow more profit to the retailer, we are offering

VERY SPECIAL TERMS

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
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Head Office: 42 CANNON STREET, LONDON, E.C.
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CONTENTS: No. 6 (Series No. 1880), Vol. 88.

	PAGE
Austrian News	37
Bankruptcy Report	42
Births	42
Business Changes	44
Coming Events	34
Corner for Students	34
Correspondence:	
Letters	58
Subscribers' Symposium	59
Legal Queries	60
Miscellaneous Inquiries	60
Deaths	43
Deed of Arrangement	42
Editorial Articles:	
Revenue from Medicines	46
Trade After the War	47
Ceylon Coca	47
English News	35
European War	33
Gazette	42
India and the East	37
Information Department	44
Insurance Act Dispensing	53
Irish News	36
Italian News	37
Legal Reports	38
Marriages	42
New Companies and Company News	41
Observations and Reflections	45
Personalities	43
Pharmaceutical Society of Great Britain:	
Council-meeting	48
Retrospect	60
Scottish News	36
Trade Notes	48
Trade Report	56
Westminster Wisdom	44
Who Said This?	60
Winter Session of Chemists' Associations	50

Summary.

The case for registering a limited number of apothecaries' assistants as chemists and druggists is stated in a circular which has been sent out by the Association of Certificated Dispensers (p. 58).

The appeal in the medicine-stamp case of Fleet *v.* Knoll, which was heard on January 27, was, as stated last week, dismissed, with costs. We print a full report on p. 39, and comment on the case on p. 46.

Mr. C. E. Goode has been co-opted a member of the Council of the Pharmaceutical Society. The Council has decided to include in Part I. of the Poisons Schedule all preparations of opium containing 0.75 per cent. or more of morphine (p. 48).

The future of British trade is dealt with in a report issued by the Board of Trade. An important finding of the Sub-Committee which has investigated the question is that import-duties would be justified for protecting vital industries and also for revenue purposes (p. 47). See also a report of the Guildhall meeting on this page.

There is a distinct lull in the demand for fine chemicals, but prices are well maintained. A fair number of price alterations are reported, including an advance in cloves, capsicin, Persian and Chinese galls, glucose, nux vomica, quinine (second-hands), shellac, Japanese vegetable wax, strychnine, and salts. Milk-sugar, gingers, lycopodium, orange-peel, and phenacetin are firmer. Caraway-seed, chloral hydrate, potash chlorate, and soya-bean oil are easier. Ammonia sulphate, linseed, caraway oil, canary-seed, coconut, cottonseed, and palm oils are lower.

European War.

A Year Ago To-day.

(*War News from the "C. & D.," February 6, 1915.*)

Particulars were given of the modified scheme for founding a subsidised dye-industry, which had been agreed to by the various interests concerned. The currency of postal orders was revoked by Proclamation, showing that the financial position of the country had reached a safer level. The use of Indian leeches in place of Continental leeches was announced, and Sir Douglas Powell's work summarised on the prevention of frostbite among soldiers. Medical reciprocity was established with Belgium, but there is no power under the Pharmacy Acts to grant a similar measure of relief for pharmacists.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—Cicero.

Seventy-second List.

Farrell, J. Leo (late of MacSweeny's Pharmacy, Cork), Motor-cycle Despatch Riders, R.E.

Hastings, Private F. (lately assistant with Mr. James Lennox, chemist, Glasgow), 2/9th H.L.I. (Glasgow Highlanders).

Mark, Second-Lieutenant J. W., Ph.C. (late of MacSweeney's Pharmacy, Cork), Royal Irish Regiment.

Export Notices.

Australian Commonwealth.—"The Times" reports that the export of tallow has been prohibited.

Austria-Hungary.—According to a Ministerial Decree of December 31, the following articles have been added to the list of prohibited exports: Ceresine, ozokerite (earth-wax), packing-paper, machines for compressing gases and for obtaining low temperatures, optical glass in all forms, soaps and candles, and salt.

France.—The quantity of pepper, the produce of Cochin China and of Cambodia, which may be imported into France at the reduced rate of duty of 208f. per 100 kilos. in each of the years 1916, 1917, and 1918 (excluding the stocks in French entrepôts on January 1, 1916), is 400 metric tons of Cochin China and 1,600 metric tons of Cambodia pepper.

Germany.—The exportation of incandescent-mantles for gas-lighting is prohibited.

Netherlands.—The exportation of calcium carbide, acetylene gas, felt-paper, and asphalt-paper were prohibited as from January 21.

Sweden.—The exportation of chromate and bichromate of potash was prohibited as from January 18: also wet or dry chemical wood-pulp (sulphite cellulose and sulphate [soda] cellulose) from January 22.

United Kingdom.—Europhen has been added to the list of articles prohibited to all foreign countries in Europe and on the Mediterranean and Black Seas other than France, Russia (except through Baltic ports), Italy, Spain, and Portugal.

Contraband of War.

The King has signed a new Order in Council by which the following products have been made absolute contraband: Cork, including cork-dust; bones in any form, whole or crushed, and bone-ash; soap; acetones and raw or finished materials usable for their preparation (in place of acetone); phosphorus and its compounds. The following are conditional contraband: Casein, bladders, guts, casings, and sausage-skins.—The "Board of Trade Journal" of January 27, 1916, publishes the existing list of contraband articles, which is precisely the same as that published in the *C. & D.* of October 23, 1915, p. 541.

Trade after the War.

An influential meeting was held at the Guildhall, London, E.C., on January 31, under the presidency of the Lord Mayor, to discuss trade and employment after the war. The meeting was organised by the London Chamber of Commerce and the National Patriotic Association. It was attended by seventy-seven heads of municipalities, representatives of fifty-one Chambers of Commerce and eighty-nine trade and industrial associations, eleven High Commissioners and Agents-General of the Colonies, and representatives of banks and all branches of commerce and trade. In all five resolutions were passed, one of which, moved by Sir Algernon Firth (President of the Associated Chambers of Commerce), recommended the establishment of a Ministry of Commerce "to carry out a constructive commercial policy for this country." The resolution urged the need of immediate joint action by the Government and the Chambers of Commerce to formulate adequate action for

the defence and improvement of trade after the war. "We want a Ministry of Commerce, and that at once," he said. "The Board of Trade, efficient as it is, is so choked up with administrative work for the regulation of trade that it cannot give the attention it ought to the promotion and encouragement of trade. We should leave to the Board of Trade its administrative work, and let attention be concentrated upon the development of commerce under a new Ministry. The Lord Provost of Glasgow proposed the sending of a deputation to the Prime Minister, and the Lord Mayor of Birmingham (Mr. Neville Chamberlain) urged the inclusion of Labour on the Lord Mayor's Organising Committee. Other speakers included Sir George Pragnell, Mr. Lionel A. Martin (Henry Tate & Sons, Ltd.), Lord Desborough, Lord Hollenden (J. & R. Morley), Lord Southwork, and Mr. Stanley Machin (Batger & Co.). The Guildhall was filled to overflowing, and the speeches were many and short, the keynote being "Smash German trade."

Personalia.

Mr. Norman Vincent Lockwood, chemist and druggist, the son of Mr. Johnson Lockwood, chemist and druggist, Station Road, Burley-in-Wharfedale, was the first Derby recruit to be called up at Burley.

The Rev. D. Morris Jones, M.A., B.D., brother of Mr. H. Humphreys Jones, F.C.S., Liverpool, and lecturer on Christian Doctrine at Bala Theological College, has joined the Royal Army Medical Corps.

Mr. John R. Goldthorpe, chemist and druggist, has been appointed to a second-lieutenancy in the Northumberland Fusiliers. Mr. Goldthorpe was manager of the Batley branch of Taylors' Drug Co., Ltd.

Mr. W. Innes, chemist and druggist, son of Mr. David Innes, chemist and druggist, Stalybridge, has been promoted a captain in the 6th Cheshires (T.). He has been on active service in France for over a year.

Miscellaneous.

Belgian Doctors' and Pharmacists' Relief Fund.—The following amounts have been received during the past week: Liverpool Chemists' Association—The late A. S. Buck, 1*l.* 1*s.*; G. Inman, 1*l.* 1*s.*; H. Humphreys Jones, 10*s.* 6*d.*; W. P. Evans, 1*l.* 1*s.* Collected by Mr. A. W. Ashcroft: G. Kennedy, 10*s.* 6*d.*; A. W. Ashcroft, 6*s.* 6*d.*; J. W. Hawley, 5*s.*; — Cluett, 5*s.*; — Emlyn, 3*s.*; E. B. Brigham, 2*s.* 6*d.*; Osborne Hughes, 2*s.* 6*d.*; D. Prysor Jones, 2*s.* 6*d.*; — Wright, 2*s.* 6*d.* Collected by Mr. L. V. Angel: J. Girvan, 5*s.*; G. Nelmes, 5*s.*; L. V. Angel, 5*s.*

Approved Consignees in China.—The following names are added to the lists of persons to whom articles to be exported to China may be consigned: Awards Dispensary, Shanghai; Bristol and Chinese Dispensary; Dr. N. L. Downs, Shanghai; W. T. O. Hsu (Imperial Medical College); Drs. Jackson, Hanwell, Jackson & Neild, Shanghai; Dr. M. P. Jee, Tientsin; Drs. Macleod, Marshall, Marsh, Billinghurst & Murray, Shanghai; Pei Yang (Medical College), Tientsin; Union Dispensary, Tientsin; Dr. W. T. Watt (Imperial Medical College), Mitsui Bussan Kaisha, Tieh Ling.

A Chemist's Ruse.—It is told of General French that he recently had occasion to call on a chemist in a town which had been rescued after several months' occupation by Germans. The visitor was recognised, and the chemist invited him to have a drink of the finest cognac in France. The offer was declined, but the General asked how the chemist had managed to preserve his precious liquid from the Germans; whereupon the chemist explained that he had left all his cheap wine in the cellar, but the brandy he poured into poison-bottles and displayed them on his shelves. The wine was drunk, but apparently "sulphuric acid" had no attraction for the Huns.

Nitric Acid in Germany.—"W. R.," writing to "Nature" (January 15, p. 537), says: It is understood that the German Government subsidised the Badische factory to the extent of 100 million marks at the beginning of the war, so that no shortage in their supplies could occur. They claim to be producing sulphate of ammonium, according to Mr. D. Milne Watson, at the rate of 300,000 tons a year, and it is not impossible, provided they can get sufficient sulphuric acid. Mr. A. E. Barton, who has just returned from a visit to Norway and Sweden, learned that the increase in the Badische Company's output of ammonium sulphate was 200,000 tons; they had formerly manufactured 150,000 tons a year. Plant of 10,000 h.p. is being erected, too, in Westphalia, to produce ammonia by the carbide process; the result is expected to be the production of 200,000 tons of concentrated nitric acid a year. Other two works, one in Bavaria, and the other near Cologne, produce between them 45,000 tons of cyanamide. "W. R." adds that the British Government should have made nitrate contraband as soon as war was declared.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students," The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Qualitative Analysis.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture (accompanied by a *stamped and addressed envelope* not a stamp merely) will be received up to Tuesday, February 8, on which day the samples will be posted. Students' reports will be received up to Saturday, February 19. Each report should contain a concise account of the work done and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the fourth exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Sunday, February 6.

Pharmacist Volunteer Training Corps, Millbank Schools, Emmas Street, Westminster, at 10 A.M. Parade and First-aid instruction.

Monday, February 7.

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. Mr. W. A. Davies on "The Use of Enzymes and Special Yeasts in Carbohydrate Analysis"; Dr. J. T. Hewitt and Mr. C. H. Lumsden on "Acetic Anhydride"; and Mr. E. Hatschek on "Graphical Methods in Industrial Chemistry."

Tuesday, February 8.

Essex County Association of Pharmacists, 17 Bloomsbury Square, London, W.C., at 3.15 P.M. Mr. Edmund White, President of the Pharmaceutical Society, will address the meeting and members are asked to make a special effort to be present.

Wednesday, February 9.

Royal Society of Arts, John Street, Adelphi, London, W., at 4.30 P.M. Professor J. A. Fleming, F.R.S., on "The Organisation of Scientific Research."

Western Pharmacists' Association, Restaurant Frascati, Oxford Street, London, W., at 8.30 P.M. Dr. Macdonald Brown, F.C.S., on "Radium: Its Applications and Uses."

Birmingham Pharmaceutical Association, Grand Hotel, at 8 P.M. Mr. John Keall on "The Work of the Proprietary Articles' Trade Association," followed by a discussion.

Manchester Pharmaceutical Association, Chess Club Room, 65 *Market Street*, at 3 P.M. Social afternoon.

Ucal Lodge of Pharmacy, Holborn Restaurant, London, W., at 3 P.M. Mr. J. Gilbert Jackson on "Ucal Matters." The meeting is open to all pharmacists.

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 8.30 P.M. Mr. Henry Stout, "A Critism of Some of the Volumetric Assays of the British Pharmacopœia"; Mr. D. Murray, "A Plea for Simplicity in Galenicals"; Mr. G. Eadie, "Experiences of a Civilian Dispenser."

Pharmacist Volunteer Training Corps, 17 Bloomsbury Square, London, W.C., at 3.30 P.M. Lecture on Sanitation, followed by First-aid instruction. The same programme will be repeated on Thursday.

Thursday, February 10.

North London Pharmacists' Association, St. Pancras, Saltan Road, Seven Sisters Road, Holloway, at 2.30 P.M. Mr. F. Pilkington Sargeant on "The Pharmaceutical Society."

Newcastle-upon-Tyne Pharmacists' Association, Church Institute, Hood Street, at 8 P.M. Mr. H. W. Noble on "Wayside Drugs."

North-East Lancashire Chemists' Association, Victoria Hotel, Street, Blackburn, at 2.45 P.M. Addresses on the Proprietary Articles Trade Association by Mr. S. N. Pickard and Mr. McMillen.

West Ham Association of Pharmacists.—The annual dinner of this Association will be held at the London Tavern, Fenchurch Street, London, E.C., on February 17, at 6 P.M. Tickets, each) may be had from Mr. W. T. Johnson (Hon. Secretary), 123 Leytonstone Road, Stratford, E.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Minimum Prices.

The Birmingham Pharmaceutical Association has issued revised list of minimum prices of drugs and proprietary rticles agreed upon by the Committee appointed by the ssociation. The prices take effect from February 1.

The following are the alterations made during the eek in the price-list of the West Bromwich Pharmautical Association: Antim. nig., 1½*d.* oz., 4½*d.* 4 oz., . 4*d.* lb.; antim. croc., 2*d.* oz., 7*d.* ¼ lb., 2*s.* lb.; lza oil, 9*d.* pint; caraway-fruits, 1*d.* oz., 3*d.* 4 oz.; pulv., *d.* oz., 3½*d.* 4 oz.; confection of senna, 4-oz. jars 6*d.*; nseed oil, raw and boiled, 7*d.* pint; linseed and linseed eal, 4*d.* lb., 3 lb. 11*d.*; sod. salicyl., 2*s.* 3*d.* oz.; grains Paradise, 2*d.* oz., 7*d.* ¼ lb.; pulv., 2½*d.* oz., 9*d.* ¼ lb.; ethyl. salicyl., 1*s.* 9*d.* oz.; lin. methyl. sal., 1*s.* 4*d.* oz.; mp., 1*s.* 6*d.* oz. Spirits, per fl. oz.: Ammon. aromatic., .; camphor., 5*d.*; S.V.R., 4*d.*; sweet nitre, 4½*d.*; pepperint, 7*d.*; pennyroyal, 6*d.*; rosemary, 6*d.*; vanilla, 7*d.*; ., 6*d.* Tinctures, per fl. oz.: Benzoin. simp., 5*d.*; benzoin. , 4½*d.*; camphor. co., 4*d.*; lavand. co., 5*d.*; myrrh., 5*d.*; rrh. et bor., 5*d.*; opii, '98, 6*d.*; aurant., 5*d.*; quininæ mon., 4*d.*; quin., 6*d.* Southall's A1 cod-liver oil, 8 oz. 6*d.*, 16 oz. 2*s.* 9*d.* Tablets (in bottles): Cascara ext., 2 gr., 3½*d.*, 50 6½*d.*, 100 8½*d.*; saccharin, ½ gr., 100 1*s.*, 200 11*d.*, 500 4*s.* 6*d.* Doan's pills, 2*s.* 6*d.*; Williams' pills, 6*d.*; Clarke's mixture, 2*s.* 6*d.*; Holroyd's pills, 1*s.* 2*d.*; ndy's crystals, 11*d.*; Condy's fluid, red 11½*d.*, 1*s.* 10½*d.*, en 8½*d.*, 1*s.* 4½*d.*, 2*s.* 9*d.*; Stedman's powders and Fen- 's adult powders, 4 for 3½*d.*, 1*d.* each.

Society of Apothecaries of London.

he following candidates were granted the certificate of ilification to act as an assistant to an apothecary in mpounding and dispensing medicines at the Assistants' mination held on January 24, 26, and 27:

ams, A. M.	Farrow, J.	O'Sullivan, B. M.
ed, E. M.	Fawcett, S.	Pallister, G. M.
en, S. B.	Fleet, O. G.	Philips, M.
well, G. M.	Francis, M. G. D.	Phillips, H.
ton, E. M.	Gleave, S. E.	Pocock, E. V.
ttie Harris, G. E.	Hancock, M. W.	Robertson, M. I.
, D. Z.	Hardy, D. C.	Ross, J. M.
k, B. S	Hartshorne, F. M.	Sach, S.
enham, G. E. M.	Hawkes, H. M.	Selim, H. H.
d, M. F.	Heilbut, L. M.	Smith, D.
ney, K.	Herbison, D.	Smith, M. W.
oks, E. B.	Hume, E. H.	Starfield, F.
niston, D. M.	Kebbell, C. G.	Tegg, E.
rows, D.	La Croix, P. M.	Thomas, J. W.
ton, E. E. S.	Love, D. E.	Thompson, A. E.
er, E. C.	Lumley, M. E.	Twelves, G.
stie, L. B.	Meade, E. A.	Valentine, V.
ke, M. J.	Meakin, P.	Walker, A.
vford, A. E.	Moody, M.	Ward, K.
es, B. M.	Northfield, C. J. H.	Wirtz, E. E.
ards, M. B.		

Birmingham.

asles are again very prevalent, but only in a mild fo.

. J. B. Blakemore, chemist and druggist, High Street, Sn hwick, was fined 3*l.* for contravening the lighting re ations.

adesmen are being victimised just now by two classes of ogues—the base coiner and the shoplifter. A represer tive of each class has been convicted at the police cou this week.

Liverpool.

ots, Ltd., are making a display of a medicine-chest at 2*l.* s. 6*d.* in their central store.

rch 1 is probably the date of the smoking-concert of the iverpool Chemists' Association.

ew Liverpool chemists have sent 6*l.* to the Belgian Do rs' and Pharmacists' Relief Fund.

utenant E. H. S. Evans (a son of Mr. W. P. Evans, Pre lent of the Liverpool Chemists' Association) left for the ront on January 31. His portrait was given in the Wi r Issue (p. 131).

Sheffield.

he South Yorkshire Poor-Law Officers' annual meeting Mr. I. Anteliffe was appointed a representative councillor to end the national meeting at Cardiff.

M Meadows, of the Sheffield City Treasurer's Departmen has been appointed to take charge of the establishmen of the N.E. Midland Pricing Bureau, but Miss Evatt is to ave charge of the actual pricing.

Mr. H. R. Fletcher, chemist and druggist, who purchased the Woodseats branch shop of Mr. J. I. Appleton, is now disposing of his business at Hull, and will shortly open a business in his native town of Tadcaster.

An alarming accident happened on January 28 through the collision of a Corporation tramcar with a chemical-works dray which was loaded with carboys of sulphuric acid. Staniforth Road, where the accident happened, was flooded with vitriol. The fire-brigade swilled the acid down the main sewer.

Mr. John Evans, F.I.C., Ph.C., has been appointed by the Cardiganshire County Council public analyst for the county. He was joint analyst with Dr. Brookes during his visit to Australia, and the vacancy arose through the resignation of Dr. Brookes. Mr. Evans is a native of the county, being born at Aberayron. The work will be done from Sheffield.

Miscellaneous.

Contract.—The Governors of the Cottage Hospital, Pontypridd, have appointed Mr. W. H. Thomas, Treforest, drug-contractor.

Wine-licence.—Mr. Campbell Falconer, chemist and druggist, 102 Walmgate, York, applied to the York Magistrates for a licence to sell medicated wines. The application was, however, refused.

Perfume Theft.—At Newton Abbot (Devon) on January 25, a woman named Davey was fined 40*s.* for stealing a bottle of perfume, value 1*l.*, the property of Mr. John Henry Bibbings, Ph.C., Newton Abbot.

Closing Order.—The Rowley Regis Urban Council on January 25 issued an order for chemists and druggists to close at 8.30 P.M. on Monday; 8 P.M. on Tuesday and Wednesday; 1 P.M. on Thursday; 9 P.M. on Friday; 11 P.M. on Saturday.

Medical Officer's Salary.—The Chipping Sodbury Guardians have increased the salary of the medical officer by 20*l.* during the war, on account of the increase in the cost of drugs, which the doctor has hitherto supplied at an inclusive salary of 50*l.* per annum.

New Source of Radio-activity.—Mrs. Maud Dickinson lectured before the Brighton and Hove Natural History and Philosophical Society recently on a new discovery in radio-activity, in which it was contended that she had discovered a fungus which gives off radio-active rays.

Organising Women.—The Yorkshire Council of the Shop-assistants' Union is conducting an energetic campaign for the organisation of the women who have taken the places of shop-assistants on active service. Every effort is being made to secure the payment of the female workers on the Union minimum-wage scale.

Poisonings.—The deaths reported from poisoning during the week were due to ammonia and morphine. The ammonia was taken by a Romford woman while in a state of intoxication. Morphine caused the death of Mrs. Kingsland, the wife of an American staying at a Piccadilly hotel. She was in the habit of using morphine hypodermically.

Gift of Musical Instruments.—C. E. Fulford, Ltd., manufacturing chemists, Carlton Hill, Leeds, have presented the instruments for the band which is being formed in connection with the 19th (Reserve) Battalion West Yorks Regiment—the Reserve of the Leeds "Pals" and "Bantams" Battalions. A number of employés of the firm are members of these Battalions.

Gilleards Dental Surgeries.—This limited partnership was registered at Somerset House on January 25, 1916. Dentists, 231 Seven Sisters Road, Finsbury Park, N. Partnership for fifteen years from May 1, 1915. General partner, J. T. Gilleard, above address; limited partner, D Cassen, 19 Lower Marsh, Lambeth, contributing 109*l.* 5*s.* 5*d.*, made up as fittings, fixtures, and stock.

Too much Light.—Mr. James Samuel Gallimore, chemist and druggist, 4 Kingsley Park Terrace, Northampton, was one of fifty-nine persons proceeded against on January 26 for breaches of the Lighting Order issued under the Defence of the Realm Act. The Bench, on the defendants summoned giving an undertaking forthwith to comply with the requirements of the police, deferred judgment until it was seen whether the undertaking was complied with.

Royal Institution.—Dr. Leonard Hill, at the Royal Institution on January 28, discoursed on the science of clothing and the prevention of "trench feet." He maintained that cold acts upon the body in a beneficial way by keeping up the metabolism of the body, and that to take exercise in the open air is the best way of increasing the metabolism. He cautioned his hearers against monotony of atmosphere which tends to make all parts of the body of the same temperature. By means of the catho-thermometer the

lecturer showed that the temperature of various parts of the body varies. The conclusion was reached that it is not the cold temperature which produces "trench foot" so much as water, which, by cooling and soaking the tissues, profoundly affects the metabolism locally. Greasing the limbs, keeping out the water, and avoiding excessive cold are the steps that need to be taken to avoid "trench foot." The lecturer referred to a mixture of tallow, lard, salicylic acid, and lemon oil which is being used by the Italian authorities as a foot-grease with beneficial effects.

Theft of Zinc.—At Old Street Police Court on January 28, William Walter Clare (48), packer, and George Harry Rogers (42), carman, were charged with stealing zinc, the goods of Allen & Hanburys, Ltd., manufacturing chemists, of Letchford Buildings, Bethnal Green, E. The prisoners, before evidence was offered, were asked by the Magistrates if they pleaded guilty to the charge, and Clare said he did, while Rogers did not. Mr. T. W. Moore, solicitor, for Rogers, said the latter was charged with receiving, and would plead guilty to that. Detective Handley said that Clare had been twelve months in Allen & Hanburys' employ, and Rogers in that of a carman-contractor about seven months. Both had had good characters. He thought that the zinc, which was valued at 2*l.* 10*s.*, had been lying about, and Clare's explanation was that he had picked it up to get a shilling or two for himself. Mr. Wilberforce said there was no excuse when both men were in good situations. On account of their good characters he allowed them the option of a fine of 3*l.* each, with time to pay.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. F. T. Smith, R.D., Medical Hall, Antrim, has been elected Chairman of the Antrim Town Commissioners for the second time.

Captain Horace R. Haslett, 9th Battalion Royal Irish Rifles, who was seriously wounded in December, has arrived at his home, "Elim," Bawnmore Road, Belfast.

The death took place, on January 24, at Ulverston, from pneumonia, of Mr. John J. Anderson, English representative of Cantrell & Cochrane, aërated-water manufacturers, Belfast.

Staff-Sergeant Thomas J. Moffatt, Royal Army Medical Corps, who was awarded the Distinguished Conduct Medal last week, is a native of Gilford, co. Down. He was formerly a dispenser and *x*-ray operator in Belfast.

Mr. D. W. Elliott, Ph.C., has offered a medal for the nurse in the service of the Belfast Guardians who secures highest place at the next examination. Two other Guardians have also offered medals, it being the practice of the Board to give three at each examination.

Mr. McMullan, analyst, Belfast, has intimated to the Edenderry Board of Guardians that he cannot undertake the analysis of drugs for a less sum than 21*l.* a year. The Board advertised for an analyst, but did not get a reply. Mr. McMullan was then offered 20*l.* a year, but the Local Government Board refused to sanction this.

Mr. H. J. Sumner, Ph.C., for many years manager of the Clontarf branch of Hayes, Conyngham & Robinson, Ltd., Dublin, has received from his colleagues a mahogany bureau on the occasion of his resignation to open business on his own account. He was also congratulated on his recent appointment as examiner to the Pharmaceutical Society of Ireland.

Mr. R. Andrews, Ph.C., Belfast, presided last week at the annual Burns supper of the Belfast Scottish Association. He mentioned that he and his family were the lineal descendants of Wilson of Tarbolton, who was immortalised in the poem on "Death," and Dr. Hornbrook. He held in his hand a photograph of his uncle, who owned the house in which Burns was made a member of the Masonic Order, and the sword belonging to the Lodge, and the loving-cup made by Wood, once presented to the poet within its walls.

Chemists and Druggists' Society of Ireland.

A smoking-concert under the auspices of the Chemists' and Druggists' Society of Ireland was held on January 26 in the Society's rooms, 11 Waring Street, Belfast, Mr. Samuel McDowell (President) occupying the chair. There was a good attendance and a very enjoyable evening was spent. Songs were given at intervals by Messrs. A. E. A. Davis, G. Fawcett (humorist), T. Birrell (humorist), and Stanton, while Mr. J. D. Carse gave a recitation and encored. Mr. Fawcett made a great hit with an impro verse to his topical song, "When I'm M.P.," which with the trade.

Medicinal-plant Cultivation.

Dr. M. F. Moloney, Dungarvan, writing in the "Times," submits that many medicinal plants migh advantageously cultivated in Ireland. He states:

One acre of Irish soil will grow at least two tons of folia purple foxglove. Now, the present wholesale price of the l of this plant is 2*s.* 6*d.* per lb. Assuming that the two to foliage, when dried, are reduced in weight to one quarter original amount—*i.e.*, 1,120 lbs.—and that the grower gets 1*s.* per lb. for his produce, his acre should yield a gross r of 56*l.*

Creditors' Meeting.

The creditors of Mr. Bernard J. Connolly, pharma tical chemist, Market Street, Omagh, co. Tyrone, tra as W. J. Downes & Co., and at Enniskillen as brev have accepted an arrangement for assignment of prop in Enniskillen in trust for the benefit of the creditor the business carried on there, with Committee of ins tion. Trustee, A. H. Walkey, C.A., 12 College Gr Dublin. Dated, January 24; filed, January 26. Unsec liabilities, 1,290*l.*; estimated net assets, 1,950*l.* (*C. & D.*, November 13, 1915, p. 37.)

Scottish News.

Subscribers are invited to send to the Editor newspapers c taining matters of trade interest. The items should be indicat

Aberdeen.

Mr. John A. Ross, 18 Albyn Grove, Aberdeen, who re sented, in the city and the northern islands of Orkney Shetland, William Paterson & Sons, wholesale drugg Aberdeen, has been appointed to represent Ayrton, S ders & Co., Ltd., in the North of Scotland.

The business at 210 Gallowgate, for many years car on by Mr. Andrew Craig, and latterly by Mr. J. McHattie, who closed it in November, is to be re-star Mr. Robert Shand, a native of the Fraserburgh dist who has been for the past seven years with Procto Clague, Newcastle, has purchased the business and open it early in February after thorough renovation.

The Aberdeen burgh panel chemists have now recei a supplementary payment on the 6*d.* per script paid the six months from April to September. This brings total payment for the six months to 75 per cent. accounts as checked by the "Bureau." The "buff form of 1914 have also been paid. The final "credits" 1913 have been received from the Commissioners by Insurance Committee, which should mean a further red tion of the 1913 deficit by about 35*l.*

Edinburgh.

Mr. Peter Boa, Ph.C., on January 26, presided at annual meeting of the Edinburgh Galloway Association

Dr. John M. Bowie, 53 Grange Road, Edinburgh, recently mentioned in despatches. He is medical officer the 9th Royal Scots

Private M. S. Johnstone, R.A.M.C., who has been reco mended for the D.C.M., resides at 48 Milton Stre Edinburgh. Previous to enlisting he was employed Napier, herbalist, Bristo Place.

Dr. J. L. Ewing presided at a meeting of the Edinbur Chamber of Commerce and Manufacturers which was h on January 27 to consider the position of British tra and industries at the conclusion of the war. The meeti supported the idea of a Ministry of Commerce.

The 139th annual meeting of the subscribers of Edinburgh Royal Dispensary was held at the Coun Chambers on January 29. It was stated that the Nation Insurance Act has not affected the number of working m who apply to the institute for medical relief, but th the shortage of the medical staff has affected the atten ance.

Glasgow and the West.

The St. George's Road Co-operative Society is advert ing their drug department in the public Press.

Good prices were realised at last week's sale of priz cargo lard in the Trades Hall. Whatever the scarcity fats in Germany, there is abundance for all requirements this country.

Mr. W. Anderson, whose name figured prominently the Press as Chairman at the Labour Conference at Bristo was a former assistant with John Millans, Ltd., Gre

Western Road, Glasgow. His photograph appeared in the "Glasgow Times" last week.

The next-of-kin of William Machay, of the Dispensary, Town Poorhouse, Glasgow, who died about twenty years ago, may hear of something to their advantage by communicating with Wright, Johnstone & Orr, solicitors, 74 West George Street, Glasgow.

Mr. James W. Murray, the newly elected President of the Glasgow Chamber of Commerce, has been asked by the President of the Board of Trade to accept a seat on the Advisory Committee on Commercial Intelligence, and has been elected to the Executive Council of the Association of Chambers of Commerce of the United Kingdom.

The error of a seaman named Michael McKinnon in drinking a solution of caustic soda in mistake for water, with the result that he was permanently incapacitated from work, has engaged the attention of the House of Lords this week. The compensation award given against Hutchison, Glasgow shipowners, by the Sheriff and confirmed by the Court of Session was quashed, the Lord Chancellor holding that a man could not be allowed to assume, at the risk of his employers, that a can which was not his own, and not resembling those in general use, contained water set out to cool in the ordinary way.

India and the East.

(From the "C. & D." Correspondents.)

Treacher & Co., Ltd., Bombay, are offering by advertisement a discount of 6¼ per cent. on all purchases, which is a new idea in pharmacy in Bombay. The company has now a Parsi directorate.

Masonic.—At the installation-meeting of Lodge "Truth," No. 944 E.C., Wor. Bro. R. S. Jackson, of Kemp & Co., Ltd., wholesale druggists, Bombay, was invested as Assistant-Secretary, and Bro. J. Fraser, general manager of Kemp & Co., Ltd., as I.G. The former takes a very active part in Freemasonry in Bombay.

Smuggled Opium.—Revenue officers at Singapore discovered on the Blue Funnel steamer *Tydeus* about a ton of opium. It was concealed in a wooden cabin built under the coals. The s.s. *Suwa Maru* was detained for an hour by the Water Police on her arrival at Hong-Kong from Europe on December 15, and two chests belonging to a passenger who went ashore at Singapore and had not returned to the ship were seized. On examination later in the day they were found to contain 239 lb. of Persian opium.

Linseed Oil.—A question of encouraging Indian as compared with European industries came before the Karachi Port Trust recently in connection with the purchase of linseed oil. The chief engineer of the Port Trust reported that he wrote to six oil-mills in different parts of India for the supply of linseed oil, and only one was able to quote and send samples. He further stated that the rates quoted were higher than those at present paid for oil from England, and from his experience of the quality of other oil obtained in India he could not now recommend any change in the present system of ordering linseed oil from home. The Board (reports the "Indian Agriculturist") decided to defer consideration of the question.

Austrian News.

The Sale of Linseed is prohibited in Austria-Hungary according to a Ministerial Decree of January 4. Any person who has more than 30 kilos. of linseed must transfer it to the municipal authorities. The sale of linseed for other purposes than for sowing it is prohibited, and selling for sowing-purposes may only take place after a permit has been obtained from the agricultural authorities. The maximum price has been fixed at K. 120 per 100 kilos.

Chemical Industry.—A rosy account of chemical industry in Hungary is given in the "Chem. Zeitung," January 2. It is expected that after the war exportation of chemicals from Hungary to Turkey and Bulgaria will greatly increase. Up to now fine chemicals, such as aspirin and salicylic acid, have been the principal exports, but it is expected that the number and the quantities of the chemicals that will henceforth be exported from Hungary will increase. The Hungarian manufactories of carbolic acid, soda, picric acid, toluol, mineral acids, potassium and sodium hydroxide, and tannin are at present selling their products at extremely high prices. Raw material for several industrial purposes is being sent from Hungary to Germany—*e.g.*, bauxite from the Ida Valley.

Italian News.

Queen Helena of Italy is evidently a believer in cod-liver oil for children; for it was at her expense that a Red Cross Commission has recently visited Grado (Austrian town on an island in the Adriatic), and arranged that the Grado Public Laboratory shall supply a large quantity of cod-liver oil and tonic medicines for the children.

Many Pharmacists are being temporarily released from active service, as it is found that a sufficient number of pharmacists have been called up. The released men are, however, to hold themselves in readiness for an immediate recall, on which account their whereabouts must be always made known to the army authorities.

A Well-known Pharmaceutical Journal refers to the difficulties in obtaining paper and printers for the production of the journal, but promises, nevertheless, to continue the paper for the national welfare and that of its subscribers. In a New Year message it is confidently asserted that before the end of the year Germany will be "unter" instead of "uber alles" in every sphere of action.

A Congress of Technical Chemists has been held in Rome under the auspices of the Minister of Agriculture, Industry, and Commerce. At the Congress all the large manufacturing firms of chemists in Italy were represented. A full report of the proceedings has not been published, but it is understood that the opinions expressed, especially by Carlo Erba's representative, were optimistic in the extreme as regards future development of Italian chemical-manufactures.

Prices in Italy.—The Italian Council of the Order of Physicians has adopted a resolution, in reference to the advanced prices of medicines, expressing regret that the authorities have not attempted any effective measures to check the increase. The Council also asks the Government to intervene, in order to prevent speculation, which is taking place, and to regularise, with the assistance of the State laboratories, the Central Military Pharmacy, and all private works dealing with the production and trade in medicines.

The New Pharmacy Law.—Once again the pharmacist and the authorities fail to see eye to eye in their reading of the new pharmacy law. The principal reason seems to be because of the laxity with which the provisions of the 1888 law were interpreted. These are now included in the new law along with new clauses, consequently there is uncertainty as to the real stringency of the different clauses. The war naturally increases the difficulties of pharmacists who are short of assistants. Among the new regulations is one that doctors and veterinary surgeons must write prescriptions for poisonous substances in ink or copying-pencil. The prescribers will also be held responsible for any incompatibility. Records must be kept by pharmacists of all prescriptions dispensed, and of all poisonous substances supplied to midwives. Pharmacists are bound to supply any medicine contained in the Formulary for the Poor when it is ordered in a prescription.

A Pharmacists' Decalogue, composed by Dr. V. Taramelli, contains the following "commandments":

Honour thy profession; never in thy absence substitute one unqualified even if as worthy as thyself.

Thou shalt not lower thy profession by making of it merely a source of profit. Work with ardour, but not longer than nine hours; and as with you, so also with your assistants.

Think of the family you have or will have, and form for them some security against the future.

Never magnify the beneficial qualities of any of your preparations, nor decry those of a competitor; observe the tariff prices and grumble not at absence of profit therein.

Never desire or procure the downfall of a colleague.

Ever seek the higher interests of pharmacy in buying as in selling; stand well with both the client and the dealer, so will the world go well with thee.

Never talk evilly of doctors nor of their knowledge of pharmacy. Do not discuss a doctor's prescription with his patient. Respect all, and the same respect will be returned to thee.

Copper Sulphate.—The French Chamber of Deputies has adopted a resolution inviting the Government to increase the national production of sulphate of copper, to ensure the importation of the necessary quantities, to regulate the price, and to prevent speculation. The Chamber also invited the Government in case of necessity to call for the census and requisition of existing stocks. M. Meline promised that the national output should be accelerated, and added, "We shall find in England all the copper sulphate we need," to which a deputy rejoined, "Admitting the existence of a stock of 15,000 tons, it would still be necessary to import from England at least two or three thousand tons a month."

Legal Reports.

Trade Law.

Question of Liability.—In the City of London Court on January 28, before his Honour Judge Atherley Jones, K.C., Hazlehurst & Sons, Ltd., soap-merchants, Upper Thames Street, E.C., sued Mrs. Nightingale, Nightingale Stores, 18 St. Donatt's Road, Lewisham, for 1*l.* 14*s.* 8*d.*, soap supplied in the way of trade. Defendant wrote to the Court to say that she had not had the soap. Since her husband's death she had been carrying on three shops by the aid of managers, and in one case the manager had been called up and was in the Army. Plaintiffs' representative said that they had always dealt with Mrs. Nightingale, and not the husband. Judge Atherley Jones said he would not give judgment against the defendant, as he was not satisfied she is liable. When the plaintiffs brought evidence showing Mrs. Nightingale was personally liable, he might give judgment. Ultimately the case was adjourned.

Army Dispensers.—At the Woolwich County Court, before Deputy-Judge Lush, Herbert Burnett, dispenser, Red Lion Lane, Woolwich, brought an action against Captain Valentine Goode Johnson, commanding the Royal Army Medical Corps at the Royal Herbert Hospital, to recover 5*l.*, the claim being for 2*l.* 2*s.* for a week's wages in lieu of notice and 2*l.* 10*s.* for special expenses incurred by the non-return to plaintiff of his original testimonials. Plaintiff said he was discharged from the hospital on December 24 at a moment's notice. Defendant denied liability, contending that dispensers are Civil servants under the War Office, and are engaged under contract rates fixed by the Secretary of State for War, who, he maintained, is their real employer, though the officers in charge of the hospitals all over the country have had delegated to them the power to engage and dismiss dispensers. Witness was not in charge of the Herbert Hospital, but commanded the R.A.M.C. He had nothing to do with the matter so far as he was aware. Deputy-Judge Lush said it is clear this is a Government matter, and that defendant had nothing to do with it. Plaintiff must be non-suited, and defendant was entitled to his costs. Captain Johnson said he had incurred no costs except his travelling expenses, and he made no claim to them.

What is a Weekly Servant?—A case of importance to employers and workers was heard in the City of London Court on February 1, when Ortweiler & Co., merchants, Redeross Street, sued one of their late employés, named Abrahams, for 1*l.* 15*s.*, as damages for leaving their employment without notice. Defendant had worked for them for six months and then absented himself without explanation, others having to be employed at overtime to get through the work. Plaintiffs said they did not pay wages when men were absent. Mr. Registrar Wild thought that raised a very nice point as to whether the defendant was a weekly servant or not. If a day's pay was deducted from a servant's wages through absence, he was not a weekly servant, but a servant paid a weekly wage for convenience sake at so much a day. An ordinary weekly servant was entitled to his wages whether he worked or not. Plaintiffs said a weekly notice had always been given by, or to, their workpeople, although if they were absent their wages were stopped. Mr. Registrar Wild said that the question was of great importance to every employer of labour. He must hold that the defendant was not a weekly servant in law, although he ought to have told the plaintiffs he was not returning, instead of leaving them in the lurch. He must find for the defendant, with costs. Plaintiffs must make their contracts for notice with their workers when engaging them.

Claim by Chemists.—In the King's Bench Division on January 28, Mr. Justice Scrutton and a common jury had before them an action brought by Fredk. Wm. Drake and Wm. Bailey Rogers, of Cambridge, against the Kleno Manufacturing Co., Ltd., of Smith Street, Chelsea, the plaintiffs claiming about 120*l.*, alleged to be due to them under an agreement. Mr. Compston Smith (for the plaintiffs) said Mr. Drake used to be in the chemical department of a photographic-factory, and became an expert practical chemist. In 1905 he took a lease of some premises in Cambridge, where, with the co-operation of Mr. Rogers, he carried out experiments in chemical research for practical and domestic purposes, and among the preparations he discovered were "Kleno," a cleanser adaptable for many purposes, and "Ivy Polish" for metals. Thinking the preparations were of considerable value, the plaintiffs guarded their secrets with jealousy, and eventually decided to obtain financial help and place the things on the market. Mr. Jabez Spencer Balfour and the Rev. Fredk. Wm. Pitt, a Dissenting minister at Notting Hill, w introduced to them. It was proposed to form a company, which Mr. J. S. Balfour was to be the manager, and Dissenting minister the chairman of directors. That co pany came to an end; it failed to carry out the agreem of purchase. Later the defendant company was form and the plaintiffs, as vendors, were to be employed—as th alleged—for ten years at 6*l.* a week. Mr. Drake, in witness-box, declared that neither he nor Mr. Rogers anything to disentitle them to the amount claimed. Af evidence as to the formation of the company, his Lordsl transferred the case to the non-jury list, remarking th as it involved principally questions of law, it could bet be tried before a Judge alone.

The Sulphate-of-Ammonia Case.—In the Commerc Court of the King's Bench Division on February 1, M Justice Bailhache delivered his reserved judgment in t case relative to a cargo of sulphate of ammonia (report in our last issue), in which Mitsui & Co., Ltd., Japane merchants, Lime Street, London, sued Watts, Wa & Co., Ltd., Cardiff and London, to recover damages f an alleged breach of a charter-party of June 5, 1914, which the defendants were to supply a steamer to go Marionpol in the Sea of Azov in September 1914 a there load a cargo of 3,500 tons of sulphate of ammon and carry it to Japan. The defendants failed to send t ship, and they pleaded the war as justification, saying th the contract could not have been fulfilled. The plainti suffered loss by their inability to carry out their ov contract, and they also had to pay 4,500*l.* to their seller Evance, Coppée & Co., of Belgium. Mr. Justice Bailhac said that the defendants had pleaded the closing of th Dardanelles, but this was effected too late for them a could not be relied on by the defendants as an excuse f their breach of contract. He was satisfied that the plaintif would have made a profit of 3,800*l.* if the ammonia ha been carried to Japan, and the plaintiffs were entitled recover this sum against the defendants. He thought, ho ever, that the 4,500*l.* the plaintiffs had had to pay to the sellers was too remote to be recovered as damages again the defendants in this action. He therefore gave judgme for the plaintiffs for 3,800*l.*, and costs. Mr. Leck, K.C., o behalf of the defendants, asked for a stay of executio but his Lordship, in declining this application, commente "I am happy to think that by this breach of contract you clients have made a large profit, out of which they ca well afford this comparatively small sum."

Trading with the Enemy.—At the Guildhall Polic Court, London, on January 31, William Alfred Wilson 5 Bevis Marks, E.C., was charged with trading in good coming from an enemy country. Mr. Humphreys, for th prosecution, said that defendant carried on business a Wilson & Co., and dealt largely in chemicals. On Novem ber 4 last he wrote to the Board of Customs asking permis sion to import some carbonate of potash, and the com munication was referred to the Home Office. As a result o inquiries it was discovered that defendant had bought a ton of carbonate of potash from John B. Lewis, New York who were importers and manufacturers of dyestuffs an chemicals. On October 12 he received from Mr. Lewis a typewritten letter offering various articles, and among them carbonate of potash, which was distinctly notified to be o German origin. He replied to New York that he woul accept a ton of the chemical. This order was accepted and in a communication reaching him from New York o November 4 the defendant was again informed that thi carbonate of potash came from Germany. Even then he had time to cancel the order had he wished to do so, but instead of doing so he wrote to the Board of Trade stating that the purchase had been made and that he had dis covered the goods to be of German manufacture; that they were on the way, but if there was any difficulty he would not accept delivery. He also stated that he had not expected the American merchant to ship the goods until defendant had had time to consult the authorities at home and confirm the order if legal. As a matter of fact, declared counsel, the defendant confirmed his order by cable on October 25. Mr. Humphreys contended that the defendant must have known from the first that this chemical was of German origin, and that he was tempted by the very large profits that were to be made by trading in these goods. Defendant, in the box, stated that he had three sons in the Army, and had been in business in London for twenty-five years. He thought the potash was pre-war stock, but he had neither paid for it nor received it. Mr. Ernest Wild, K.C., for the defence, submitted that there was no actual proof of trading with the enemy, and no real evidence that the stuff in question was of German manufacture. Sir John Baddeley, however, said he was satisfied that defendant knew of the German origin of the goods, and fined him 50*l.* and ten guineas costs. Mr. Wild said he should

onsider the question of applying to his Worship to state a ase on the point that there was no proof that these were erman goods.

Chemist Company's Calls.—In the City of London ourt on January 27, before his Honour Judge Rentoul, .C., A. Sargeant & Co., Ltd., cash chemists, 70 Queen ictoria Street, E.C., claimed 50*l.* 16*s.* 8*d.* from Mr. Robert eeson, chemist and druggist, 12 Ordnance Road, Southmpton, being a call of 5*s.* per share on 200 preference ares in the company and interest. Mr. Moresby said at the plaintiffs had branches as chemists in London and iburbs. Defendant had raised a counterclaim for 19*l.* for ommission due at 5 per cent. upon the net profits of their imbledon Park branch, which he managed for them. The unterclaim was not disputed. Defendant raised eight efences, the principal of which was that he was induced subscribe to the shares by the fraudulent misrepresentaons of Mr. Sargeant, plaintiffs' managing director. Early 1914 plaintiffs wanted a chemist to manage one of their anches, and advertised, mentioning that the applicant ould be prepared to invest money in the company's busiss. The company was very successful. Defendant applied r the post, and said he could invest 250*l.* or 300*l.* in new per cent. preference shares to be created. He was pointed as the manager of the branch at a salary of . a month, a house to live in, and 5 per cent. bonus on net profits of the branch, and he agreed to take up 6 per cent. preference shares in the company. These ares were duly allotted. Defendant was in plaintiffs' ployment for twelve months, and then left to join a preous employer. He had had every possible opportunity to estigate the company's affairs, and it had paid good idends for many years until the war. They were about resume their 6 per cent. dividends. Defendant afterrds withdrew his application for shares, but that position s quite untenable. Over 40*l.* was spent on the house ich he occupied as manager. Mr. A. Sargeant, plaintiffs' naging director, said his children held 300 shares in the npany, but he had one only. In cross-examination, he d he did not tell the defendant that he was an undisrged bankrupt, although it was true. There were debenes of 500*l.*, but he did not tell the defendant so. It was rue that the minutes of the board-meeting had been dulently altered. Mr. Brooks, for defendant, said the ntiffs' managing director told the defendant that he 400 shares, when he only had one. Defendant's applicafor shares was only conditional on the auditors' report g satisfactory, and it was not. Defendant was never that the new shares to be created were inferior in to those already existing. The further hearing was urned until February 7.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

Medicine-stamp Act, 1812.

Important Test Appeal.

On Thursday, January 27, a King's Bench Divisional Court, London, consisting of the Lord Chief Justice and Justices Sankey and Low, heard an appeal by Knoll & Co., Ltd., 8 Harp Street, London, E.C., who asked to have set aside a series of convictions recorded against them by Sir John Knill at the Mansion House for a number of alleged offences under the Medicine-stamp Act. Fines amounting to 9*l.* 5*s.* in all were inflicted (*C. & D.*, August 21, 1915, p. 9). The charges levelled against the appellants were that they uttered, vended, and exposed for sale certain medicines or medicaments for the prevention, cure, or relief of diseases and complaints incident to and affecting the human body without the stamp required by the Act. There were eleven summonses relating to eugallol, ovaradeen, codeine tablets, triferrin, arseno-triferrin, styptol, renden, thyraden, Euresol hair-tonic, styracol, and tannalbin.

Mr. Kerly, K.C., and Mr. Gray appeared for the appellants, and the Solicitor-General (Sir George Cave, K.C.) and Mr. Daldy represented the respondent, Mr. Renshaw, an officer of the Customs.

The Appellants' Case.

Mr. Kerly said this was a special case stated by the Magistrate and raised points of considerable importance. In fact, this was a test-case. There was a prosecution and number of charges concerning eleven different drugs, and the Magistrate agreed to state a case with regard to one of these which would govern all the others. The State with which they would have to deal was the old Act of 1812, which provided that certain medicines, which were called patent medicines, should have a stamp upon them for revenue purposes. The scheme of the Act first of all specified certain medicines under four or five different categories, and the particular category which was in question in this case contained medicines which must not be held out or recommended to the public by the makers as being a cure for certain human diseases. Then followed certain exceptions, among them being some drugs which were not taxable—viz., entire drugs sold without admixture. The appellant company sold drugs by wholesale, and one of the drugs was called "ovaraden," and this, it was said, was held out and recommended to the public by the appellants in a price-list. Appellants' answer was, "Not at all; this is advertising to the trade, and not to the public." Upon that came the question whether appellants fell within the category he had mentioned, and therefore they said, "Even if this was a recommending to the public within the meaning of the Act, it comes within the second exception of the Act as being an entire drug without admixture." The questions were quite distinct and of general importance. Counsel then read the special case stated by the Magistrate for the purposes of the appeal. Proceeding, Mr. Kerly said this was a trap order, for there was no business known as "Larcombe's Health Stores, Ealing and Southend." It might be said that the appellants could have ascertained that fact, but they did not. He did not see why they should have done, seeing that the order purported to come from a *bona-fide* firm of chemists. Proceeding with the case, counsel said that it was admitted that the ovaraden tablets were made up of 25 per cent. of milk-sugar, 50 per cent. of starch, and 25 per cent. of organic extract, which was an entire drug. The Magistrate found that the said tablet was vended after being mixed with other things. The sugar did not affect the properties of the drug, nor did the starch have any medicinal effect. There was no evidence of holding out—so the Magistrate found—except in the price-list, but there was evidence, however, that the company served Mr. Fleet merely assuming that he came from a firm of chemists because he handed in an order form. As he (counsel) had said, appellants had good reason for thinking that he came from a firm of chemists. There was no question whether the company sold to the general public; the point was whether they held out or recommended to the public. The case proceeded that the appellant company was licensed to sell medicines chargeable to stamp-duties, and it was, among other things, contended for the company that the drug did not cease to be entire because it was mixed with or accompanied by, in the tablet, other matters, seeing that these matters were medicinally inert. The respondents, however, contended to the opposite effect. "They said," Mr. Kerly observed with a smile, "that sugar ceased to be sugar when mixed with sand."

Mr. Justice Low: Yes, because it ceased to be entire sugar.

Mr. Kerly said that upon the above facts the Magistrate found that the drug had been held out and recommended to the public, and also that, having been mixed with other matters, the drug was not entire, and therefore the company could not claim assistance from the exemption clause in the Act. Counsel emphasised the fact that the price-list was issued only to retail chemists, and not distributed to the general public. The first question was, therefore, What did the word "public" mean? After reading extracts from the list which gave particulars of the drugs advertised therein, counsel said there was no doubt that the drug in question was a patent medicine, but the terms and conditions of sale showed that it was only meant to be recommended to the trade.

The Lord Chief Justice asked whether, really, all this was not a question of fact for decision by the Magistrate. Upon the evidence before him the Magistrate was asked to find whether this list was issued to the public, and to a certain extent he found in your favour.

Mr. Kerly: Yes, but not wholly. Counsel then turned his attention to the Act of 1812. Historically, he said, it was well known that the Act was passed to deal with quack medicines; things that were recommended to the public to save them from going to a doctor for a prescription. Of course, we are not free from that class of thing nowadays, but at the time of the passing of the Act a great many so-called secret remedies were "puffed" as having valuable medicinal virtues, and the Act was passed that all those who sold such things should pay taxes for the privilege. Certain sections of the Act protected chemists, apothecaries, and doctors. The schedule gave a long list of specified medicines which were taxable, some of which still survived, and some of which had been superseded by better remedies.

Mr. Justice Low: And some have different names. (Laughter.)

Mr. Kerly: Not only different names, but different in construction. In those days in a properly constructed medicine there were three parts. The first was an aperient to clear the ground, the second a remedy to effect the repair, and the third a tonic to restore the mischief done by the remedy. (Laughter.) He was told by an authority on the question that the three were by no means sufficient. It was, contended counsel, at the end of the Act that the trouble was met. That part of the Act dealt with remedies recommended to the public. It enacted that no drugs, nostrums, medicines, or medicaments to be used externally or internally for complaints of the human body should be vended, uttered, or exposed for sale . . . without being stamped, and they should not be held out or recommended to the public by means of notices, advertisements, or printed papers without bearing the Revenue stamp. The question was, "Was ovaraden held out or recommended to the public?" He said the price-list was not a holding-out to the public of the drug.

Mr. Justice Low asked whether there were no labels on the box containing the medicine.

Counsel explained that only the word "Ovaraden" appeared on the label on the box, with the price to the customer—viz., 1*s*. It was sold to the chemist at 9*d*. There was an express finding by the Magistrate that there was no holding out, except by the issuing of the list to the chemists. Dealing with his second point, counsel said this was the more important and the more difficult. The Act excepted a medicine from stamp-duty if it was an entire drug when supplied to the chemist. The words of the Act were:

"All medicinal drugs whatsoever which shall be uttered or vended entire, without any mixture or composition with any other drug or ingredient whatsoever, by any surgeon, apothecary, chemist, or druggist who hath served a regular apprenticeship . . . or by any other person whatsoever licensed to sell any of the medicines chargeable with a stamp duty."

Appellants came within the last sentence as a firm licensed to sell the drug. Counsel, in reply to a question from the Bench, reverted to his first point. There must be, he argued, some antithesis. The words "to the public" could not mean every person forming the public. He submitted that the antithesis was pointed out by the Act, and that was the trade or profession concerned with the matter. "Recommended to the public" meant recommended to the public generally as contrasted with, and distinct from, the members of the trade or profession dealing with the drugs. There was good reason for making that distinction because, when a new remedy was patented, it could not come into use in, for instance, doctors' prescriptions unless the doctors or chemists knew of it, and the only way they could hear of it was through price-lists or printed circulars from the persons who manufactured the article. It was one thing to deal with a medicine by a public advertisement and another to draw attention to it by means of a price-list circulated to members of the trade. Consequently, he contended that the antithesis to the words "the public" were to be found in the members of the trade or profession concerned with the article held out.

Mr. Justice Low: Do you say that there is no finding of fact to support the Magistrate's finding that there was a holding-out to the public because the circular was sent to chemists and doctors?

Mr. Kerly: Yes. Mr. Alpe's book says:

"A circular addressed exclusively to the medical profession for promoting the sale of the medicine would not be regarded as an advertisement to the public, neither would descriptions in trade lists, which are confidential and can only be obtained by members of the trade. The holding-out and recommendation must be by public notice or advertisement, which may be either written, printed, or pictorial, or by written or printed papers or handbills, or by any label or words, written or printed, affixed to, or delivered with, the medicines. A verbal recommendation does not involve liability."

Counsel added that the recommendation, also, must be that the remedy will cure human ills. That fact did not appear on the box containing ovaraden. In the price-list, he agreed, more was said, for chemists were told that if they wanted stuff to cure a particular ailment they could get it from the company in the name of ovaraden. Returning to the question whether ovaraden was an entire drug when sold to the chemist, counsel explained that the drug was accompanied by other harmless and medicinally inert things to render it physically usable. All the company had done was to add certain neutral substances.

The Lord Chief Justice: They are ingredients.

Counsel: Not in the drug: They are not ingredients within the meaning of the Act.

Mr. Justice Low: What you have to look at is what is contained in the bottle or package.

Counsel: I think not. An "entire" drug means an "unaffected" drug; a drug not having mixed with it something which affects its medicinal operation.

The Lord Chief Justice said he could not see how it was a question of law. He thought, like the other po this was a question of fact.

Mr. Kerly said the matter was argued as a question law before the Magistrate, who said that the drug sold *plus* something else, and was not, therefore, sold wi out any admixture. That was, he submitted, a wrong c clusion. He said that if a drug was sold with someth which did not affect in any way its medicinal qualit then it remained an entire drug. For instance, said M Kerly, you have a drug in a bottle, and you swallow bo (Laughter.) The drug is no less a drug because you swall the bottle as well. (Laughter.) Take the case of a caps which contains a drug or a sugar-coated pill. The drug no less a drug because you have swallowed the lot.

The Solicitor-General (Sir George Cave, K.C.); This dr is not coated, nor do you swallow it in a bottle. (Laught

The Lord Chief Justice: The difficulty is this. Supp ing you take a tablet of ovaraden, you cannot select drug by itself because it is mixed with other things.

Mr. Kerly: No, because it has been put in the cen of other matters. Supposing you had a powder of wh only an infinitesimal quantity must be taken. You m mix it with something or you cannot handle it at all w safety. Take hyoscine, which must not be used except quantities of about one ten-thousandth part of a grain: h could that be given unless it is mixed with something el In the same way you mix water with other drugs to adj the proper quantity to be taken. Counsel then quo briefly two authorities which, he said, assisted him a lit and, concluding, asked the Court to hold that the Ma trate was wrong when he found against the appellants a fined them.

The Case for the Crown.

The Solicitor-General contended that when the appella sent the price-list to chemists and doctors they held and recommended the drug to the public.

The Lord Chief Justice: I am not sure that we appreci to what use the price-list was really put. Why is it t the issuing of the list to chemists is evidence of recommen tion to the public?

The Solicitor-General: Because chemists are the pul so far as the appellants are concerned. Chemists are th public. I will go higher than that. A recommendation chemists is a recommendation to the general public throu the chemists.

The Lord Chief Justice: The list is issued to the chemi so that by virtue of it they may recommend the drug the purchasing public?

The Solicitor-General: Yes. If that were not so, h easy it would be for the manufacturers to evade the law

Mr. Justice Low: You mean that the chemists are mer a class of the public?

The Solicitor-General: Yes, a division of it; it is public so far as the wholesale chemists are concerned. Y can't get out of the Act by saying, "I did not tell public. I told somebody else to tell them." You are s holding out this drug to the public, but through a mediu the chemist.

The Lord Chief Justice: The difficulty strikes me in t way. If the chemist has got this preparation wrapped in this way, with simply the name and price on the box, t customer cannot know what it is for unless the chem tells him. In the same way the chemist cannot know wh it is for unless the manufacturer tells him. I notice th the price on the package is the price at which it is to sold to the customer, not that which the chemist pa for it.

The Solicitor-General: Yes. The chemist must pass t thing on for 1*s*., and he must tell the customer what it used for in the same way as the manufacturer tells hi In that way the drug is recommended to the genc public.

Mr. Justice Low: All the public knows is what t chemist knows, and what the chemist knows is told him the manufacturers in the price-list.

The Lord Chief Justice: It is not intended that t chemist should take this drug himself.

Mr. Justice Low: That is probably the last thing would do. (Laughter.)

The Lord Chief Justice: I understand that Mr. Ke will say, "It may very well be that the purchaser, t chemist, would get information from this price-list whi he would use hereafter, but sending the list to the chem does not constitute the chemist an agent of the manufa turer to pass on the contents of the list to the public."

The Solicitor-General: Yes, but that would be a dangero theory to accept. Continuing, the Solicitor-General sai after all, the purchasing public were the only people t manufacturers desired ultimately to reach, and consequent he was not afraid to put his argument as high as thi

hat the holding-out to the chemist was a holding-out to he general public through the medium of the chemist.

The Lord Chief Justice: But was it intended that the rice-list was meant for use by the public?

The Solicitor-General: I think not, so far as the prices it ontained were concerned, but otherwise it was.

The Lord Chief Justice: But the public would not understand the list as it is.

The Solicitor-General: What I say is that telling the hemist what the drug is for is inviting him to tell the urchasing public, and therefore the thing is held out to he public.

The Lord Chief Justice: There is certainly nothing on he face of the packet which tells the customer what the rug is for, and it must be assumed that if the chemist ants to get his 3*d.* profit he must recommend it to the urchaser. Having received that information from the anufacturer, the retailer must be taken as being authosed to pass his knowledge on.

The Solicitor-General suggested that was a common-sense ew of the matter. Otherwise he saw an easy way in hich the manufacturer could escape stamp-duties. Counsel as proceeding to deal with the question whether the drug sold was an entire drug, when the Court intimated that ey did not desire to hear argument on that question, d the Solicitor-General resumed his seat.

Reply for the Appellants.

Replying, Mr. Kerly said if the chemist was considered be the public, manufacturers would be placed in a great fficulty. How was the chemist to know when a new eparation was patented if he could not be told in the anufacturer's price-list? He reminded the Court that ere were such things as doctors' prescriptions. Take the se of the well-known drug cascara sagrada. People got know of that from doctors, who told them how to use How dangerous it would be if chemists did not know at a drug was for? This was a different thing from e advertising of such things as certain classes of pills. anufacturers of these things could enjoy the luxury of tensive public advertising when what costs a 1*d.* a gallon manufacture could be sold at 1½*d.* a spoonful.

The Judgment.

The Lord Chief Justice said: The question in this case whether there was evidence before the learned Magistate which entitled him, as a matter of law, to come to conclusion that these offences had been committed. It not for us to consider whether we should have come the same decision as the Magistrate on the evidence before n, but it is for us to say whether there was sufficient evice to support the finding. On an examination of the case it ems to me that there was evidence to support the finding. e case for the appellant company has been very iniously argued by Mr. Kerly, who has taken two points. was that there was no holding-out or recommendation the public of this particular preparation within the aning of the Statute. And, further, it was said that, if re was any such holding-out or recommendation to the ail chemist there has not been a holding-out within the aning of the Act because the retail chemist has not been wn to have passed on any article in such a way as to e the company responsible. The point in the case is : The manufacturer is anxious to push his wares. He es a price-list to retail chemists, and by that means he ributes them to the public. The retail chemist, of rse, buys at the trade price, and there was, in respect this particular preparation called ovaraden, a fixed e at which the thing was to be sold to the public. re is nothing on the face of the preparation or its pping to indicate what ills it is intended to cure or what purpose it is recommended; in fact, the label eys nothing. The object of both the manufacturing retail chemist is, naturally, to supply this paration to the purchasing public: it is to their mutual rests to sell it. Can it be said that the statement to the il chemist which is contained in the price-list, which s particulars of the particular ills and disorders which preparation is recommended to cure, does not constitute lding-out to the public? As I have said, the Magistrate found on the evidence that it is, and it seems to me ossible to hold otherwise. I think it is a right conion, and one from which I cannot differ. The other t is whether this can be said to be a medicinal drug led entire without admixture, although it is accomed in the tablet by milk-sugar and starch in given tities. If it can be said to be that, then the appellants within the exceptions and exemption clauses of the On looking at the facts, when once you get the rmation, as we do, that these tablets are found to be e of 50 per cent. of starch, 25 per cent. of milk-sugar, 25 per cent. drug, notwithstanding that the organic matter is entirely unaffected, then it is impossible to say, as a matter of law, that there was no evidence upon which the Magistrate could say that there was an entire medicinal drug offered and vended for sale without admixture with other ingredients. We have had an interesting argument from Mr. Kerly, but it was based on false premises. A bottle does not mix with a drug, but starch and milk-sugar do, and the consequence is that once you have the fact found that these things were all mixed together the argument fails. The appeal must be dismissed.

Without adding anything to the judgment of the Lord Chief Justice the other Judges concurred, and the appeal was dismissed, with costs.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Ocean Ship-stores, Ltd. (P.C.).—Capital 2,000*l.*, in 1*l.* shares. Objects: To carry on the business, among others, of preserve and pickle makers and chemists and druggists. R.O., 159 Hammersmith Road, London, W.

Rayner Price Chemical Co., Ltd. P.C.).—Capital 1,000*l.* Objects: To carry on the business of chemical manufacturers, chemists, druggists, etc. The first directors are A. F. Durlacher and Mrs. K. E. Meyrick, and two others to be appointed by the subscribers.

Board of Management of the London Skin Hospital (Incorporated). The word "Limited" is omitted from the title by licence of the Board of Trade.—Registered on January 26 with 100 members, each liable for 1*l.* in the event of winding-up, to take over the property of the London Skin Hospital, 40 Fitzroy Square, W. The subscribers are H. H. Spicer, paper manufacturer; E. A. Harbord, M.R.C.S., etc.; E. B. Shuldham, M.D., etc.; R. J. Beale, architect; W. F. Roach, M.D., etc.; B. Ellis, merchant; Miss C. Chester; and the Duke of Leeds. The management is vested in a board. Solicitors, Crossman & Pritchard, 16 Theobald's Road, Gray's Inn, W.C.

College of Mechanical Dentistry, Ltd.—Capital 100*l.* Objects: To carry on the business of teaching and training pupils in mechanical dentistry, with power to grant diplomas, certificates, medals, and prizes to such pupils on their being satisfactorily examined and qualifying for the same. The company will grant diplomas, certificates, medals, and prizes to pupils who have been trading for three years and who are duly qualified to receive the same, provided the said pupils have never been prosecuted under the Dentists Act, 1878. No member will use any title or addition to his name contrary to the Dental Act, "or even suggesting in the form of words or letters that he is entitled and qualified to act as or carry on the business of a dentist." A member may, on being granted the necessary certificate, state that he is a member of the College. The company takes power to charge fees and disbursements for tuition and training, including the costs of diplomas, certificates, medals, and prizes. The company will make and repair artificial teeth, and will extract and fill teeth and do any other mechanical work appertaining thereto, and will carry on the business of a mechanical dental depôt in all its branches. Herbert E. Morley, "Brynore," Esplanade Avenue, Porthcawl, registered dentist (New South Wales), is the first managing director. R.O., 67 Queen Street, Cardiff.

G. B. Kent & Sons, Ltd.—At the annual general meeting held on January 31 a dividend on the ordinary shares of 6 per cent. for the year ended September 30, 1915, was declared.

Colombo Pharmacy Co., Ceylon.—The directors recommend a dividend of 10 per cent. and a bonus of 2 per cent., which will absorb Rs. 9,000, leaving a balance of Rs. 1,796 to be carried forward. The company paid between Rs. 35,000 and Rs. 40,000 for drugs last year.

Parke's Drug-stores, Ltd.—The annual meeting was held at the company's offices, 65 Harmood Street, N.W., on January 27. Mr. P. Warnford-Davis (chairman of the company) presided, and in moving the adoption of the report referred to the fact that they celebrated their twenty-first annual meeting with a trading profit about the best the company had ever had. The profit on trading, with interest on investments, amounted together to the highly respectable figure of 9,000*l.* Referring to the National Insurance Committees and chemists, the Chairman observed that last

year no fewer than three County Councils, for one reason or another, found themselves without the necessary funds wherewith to discharge the company's accounts. They knew when opening those accounts that such a contingency might arise, but at the same time it did seem most extraordinary finance that left a Government Department in the position of not being able properly to discharge its liabilities. The report (see *C. & D.*, January 29, p. 124) was unanimously adopted.

CHEMISTS' FRIENDLY SOCIETY.—The annual meeting was held in the Glasgow and West of Scotland Chemists' Association's House, 165 Hill Street, Glasgow, on January 27, Mr. Thomas Guthrie (President) in the chair. The annual report and financial statement were adopted. Both were considered to be very satisfactory in view of the exceptional circumstances due to the war. Mr. Guthrie referred to the interesting fact that over 500 members had enlisted in the Army or Navy, and said that it would always be a source of pride to the Society that such a result had been achieved under the purely voluntary system. Mr. Guthrie, to the great regret of the board, declined to reconsider his decision to retire from the chair, and said that he considered it his duty, after three years in that position, to make room for another. The manager was instructed to record in the minutes the Society's high appreciation of Mr. Guthrie's services as President. Mr. John H. Murphy, A.L.A.A., was unanimously appointed President for the ensuing year on the motion of Mr. J. B. McVitae, who expressed the high opinion of his co-directors on the conscientious manner in which Mr. Murphy had discharged his duties as a director. Mr. J. H. Smith was re-elected Vice-President, and Messrs. Murphy and McMillan were also re-elected directors. Mr. William McCallum, C.A., was re-appointed manager. The sum of 25*l.* was voted to the manager as a war bonus in consideration of the extra work and expense falling on the office. By a recent decision of the board the prices and checkers in the various bureaus being established in England and Wales are eligible (*cæteris paribus*) for admission to the Chemists' Friendly Society.

Gazette.

Partnerships Dissolved.

BOWMAN, WILLIAM POWELL, and BOYCE, FRANK, carrying on business as manufacturing and wholesale chemists, drysalters, and sauce-manufacturers, at White Horse Street and Sovereign Street, Leeds, and at 54 Southwark Street, London, S.E., under the style or firm of Goodall, Backhouse & Co., on the retirement of the said Frank Boyce. All debts due to and owing by the said late firm will be received and paid by William Powell Bowman, who will continue to carry on the said business under the former style.

FRAZER, S., and GOOCH, H., Brentwood, Essex, medical practitioners, under the style of Frazer & Gooch.

Deed of Arrangement.

Re Coleman, William. Westwick Street, Norwich, and Blundall, Manufacturing Chemist.—Notice filed, January 24, 1916 (supplemental to deed of assignment dated February 3, and filed February 10, 1911), appointing H. E. Dyball, 34 St. George's Street, Norwich, merchant, and F. S. Culley, Old Bank of England Court, Queen Street, Norwich, C.A., as new trustees in the place of G. F. Feasey and another.

Bankruptcy Report.

Re Reginald Leonard Brunsden, 268 Oxford Road, Reading.—The creditors are Bradley & Bliss, Ltd. (104*l.*); Butler & Crispe (12*l.*); Arthur Berton, Ltd. (10*l.*); Francis Newbery & Sons (106*l.*); Ashton & Parsons, Ltd. (3*l.*); Arthur Cox & Co., Ltd. (10*l.*); Edward Cook & Co., Ltd. (4*l.*); John Durand, Ltd. (4*l.*); Liebig Wine Co. (7*l.*); Matthews & Wilson, Ltd. (5*l.*); Potter & Clarke Ltd. (4*l.*); May, Roberts & Co., Ltd. (7*l.*) (see *C. & D.*, January 29, p. 124).

JOHAN THESEN & Co., cod-liver oil makers, Bergen, Norway, state that their stores and offices were not injured in the recent fire.

Births.

Authenticated notices are inserted without charge.

CROSSLEY-HOLLAND.—At 55 Glasslyn Road, Crouch H, London, N., on January 28, the wife of F. W. Cross-Holland, F.C.S., pharmacist, of a son.

EVERS.—At Brooklyn, Knoll Road, Sidcup, on Ja-ary 26, the wife of Norman Evers, B.Sc., F.I.C. (of Alle & Hanburys, Ltd.), of a daughter.

HENDERSON.—At 637 Cranmore Crescent, Lisburn Rd, Belfast, on January 20, the wife of David Hender, Ph.C., of a daughter.

THOMPSON.—At 45 Ivor Road, Sparkhill, Birmingham, on January 25, the wife of C. Vernon Thompson, chemist d druggist, of a son.

WEBSTER.—At 112 Lovell Street, Elgin, Illinois, U.S., on January 15, the wife of Magnus H. Webster, Ph.C., of a daughter.

Marriages.

Authenticated notices are inserted without charge.

BAINES—LIDDINGTON.—At St. Stephen's Church, B-water, on January 17, William Erith Baines, chemist d druggist, Royal Flying Corps, to Nellie Millicent Liddington, daughter of Mr. W. F. Liddington, Tring.

BAYNES—PERCIVAL.—At St. John's Church, East Dulw, on January 29, Edward Swale Baynes, chemist and dr-gist, late of Kingston-on-Thames, to Ethel May Perci, of East Dulwich.

DODD—GOODBODY.—The marriage took place last week f Ralph H. Dodd, elder son of Mr. W. Ralph Dodd, direc of Allen & Hanburys, Ltd., to Eirene, elder daughter f Mr. Lewis Goodbody, Clara, King's County, Ireland.

Both the sons of Mr. Dodd are serving in his Majesty's For. Mr. R. H. Dodd was born in 1891. He was first educated at H-ford House, Winchfield, later at Malvern College, and at eight was apprenticed to Giles & Schacht, Clifton. He proceeded

MR. R. H. DODD.

MR. E. R. DODD.

Bloomsbury Square, and was studying for the Minor examinat when war broke out. He at once joined the Honourable Artill Company, and left with the first draft sent to Flanders. After f months' service he had the misfortune to be wounded in act at Dickebusch with a shrapnel-bullet through the thigh. He w invalided home, and after six weeks spent in hospital at Sou ampton, he received a commission in July 1915 with the Mo Transport of the Army Service Corps, in which he is now servi Mr. Edmund R. Dodd, the younger son, was born in 1895, a entered the Royal Naval College, Osborne, when 12¾ years of a He spent two years at Dartmouth College, then went to t West Indies and was made midshipman on the *Hercules*. He now a sub-lieutenant, and engaged in mine-sweeping.

DOUGLAS—MCNINCH.—At the First Presbyterian Chur Rosemary Street, Belfast, on January 26, by the Rev. Kennedy, Larne, and the Rev. W. J. Marsden, Ballycar Joseph Douglas, R.D., only son of Mr. Hugh Dougl Eden, Carrickfergus, to Anne Jane (Jennie), young daughter of Mr. John McNinch, Seamount, Whitehead.

DRUMMOND—PAGE.—At Grahamville, Falkirk, January 12, Robert Gordon Drummond, chemist and dru gist, elder son of Mr. R. Gordon Drummond, chemist a druggist, to Frances Annie, elder daughter of Mr. G. De Page, architect.

HEWERDINE—PEATFIELD.—At Retford Primitive Method Church, on January 23, Walter H. Hewerdine, chemist a druggist, only son of Mr. G. H. Hewerdine, Lincoln, Catherine Peatfield, only daughter of Councillor Jam Peatfield, West Retford.

Higgs—Barclay.—At the Trinity Wesleyan Church, lackwell, on January 25, Horatio Higgs, of Waterpark, olsworthy, Devon, son of the late James Higgs, J.P., to ary, fourth daughter of Sir Thomas Barclay, J.P., "The plands," Blackwell, Bromsgrove.

Deaths.

Authenticated notices are inserted without charge.

Davies.—At 1 Devon Terrace, Swansea, on January 28, r. J. T. Davies, chemist and druggist, aged sixty-four. ceased was born near Llandovery and served his prenticeship in that town, afterwards becoming an istant at Squire's, Oxford Street, London. About forty ars ago he purchased the business of the late Mr. Finch Walter Road, Swansea, at that time the only chemist's op in that important thoroughfare. A branch establishnt at Uplands was also opened, and when Mr. N. M. ose died in 1907 Mr. Davies purchased his business at Temple Street, which had the highest reputation in the wn. The three businesses were formed into a limited bility company under the style of J. T. Davies (hemists), Ltd., with Mr. Davies as managing director. e other directors are Mr. J. F. Saunders and Mr. T. omas, who manage the Uplands and Temple Street busises respectively, and Mr. Griffith Isaac, Neath. Mr. vies was President of the Swansea Chemists' Association some years and has filled the office of Chairman of Insurance Committee. He was a widower, and leaves sons and two daughters, one of his sons being in his her's business. The funeral on January 31 was largely nded. Among those present were directors and repretatives of J. T. Davies (Chemists), Ltd., and the Swansea West Glamorgan Chemists' Association.

Shepperley.—At 2 Derby Terrace, The Park, Nottingham, January 23, Mr. George Shepperley, Ph.C., aged eighty-four. Mr. Shepperley's name is well known to chemists on account of his vindication of the rights of chemists in counter-prescribing. The case referred to was fought on his behalf by the Chemists and Druggists' Trade Association in 1878. The Society of Apothecaries prosecuted Mr. Shepperley for acting as an apothecary, but the defence were successful in showing that the rights of chemists reserved to them by Section 28 of the Apothecaries Act, 1815, included the right to prescribe over the counter. Several chemists of venerable age were called to testify to the custom of the trade in 1815. The case is fully reported in The Chemist and Druggist, November 15, 1878. Mr. Shepperley became a pharmaceutical chemist in 1868, and afterwards started in business in Nottingham and dispenser at the Nottingham General Hospital for some ys.

Mr. Geo. Shepperley.

arkham.—At 21 Eccleston Square, London, S.W., on ary 30, Sir Clements R. Markham, F.R.S., aged eighty-He is well known for his participation in Arctic oration parties from 1850. The drug-trade, however, iefly interested in Sir Clements' explorations in South rica, which resulted in the collection of cinchona seeds plants and their successful introduction into India. enterprise referred to was undertaken in 1859, and the ations were formed on the Neilgherry Hills and eylon in the following years. In his excur- to Peru Sir Clements was assisted by John , a gardener; Dr. R. Spruce, a botanist; Mr. rt Cross, Mr. Pritchett, and Mr. Ledger. An nt of the enterprise is given in "Peruvian Bark: pular Account of the Introduction of Chinchona Culti- n into British India," which Sir Clements Markham shed in 1880. Chinchona he held to be the correct ng of the genus, the present spelling being due to information given to Linnæus, who named the genus. lements advocated the correction of the spelling, but rroneous form had obtained too firm a hold to yield suggestion. In the book referred to some interesting nation is given regarding the coca-plant, which, as an explorer, he chewed frequently. He recommended its use to members of the Alpine Club and to walking tourists generally. Sir Clements was a Past President of the Royal Geographical Society. His death was due to a shock following burns, the result of an accident.

Nicholson.—At Chisledon Camp, Wilts, Mr. Horace Nicholson, chemist's assistant, aged twenty-eight. Mr. Nicholson was serving in the 15th Battalion of the Gloucester Regiment.

Nugent.—At 29 Borough Street, Brighton, on January 24, Mr. George Thomas Nugent, chemist and druggist, aged seventy-two. Mr. Nugent passed the Modified examination in 1869.

Rogers.—At Ramsgate, on January 24, Mr. William Rogers, aged seventy-eight, late of Goosey & Rogers, chemists and druggists, Ben Jonson Road, Stepney.

Rossiter.—At 39 St. Peter's Street, Tiverton, on January 29, Mr. Thomas Edward Rossiter, chemist and druggist, aged fifty-nine. Deceased passed the Minor in 1879, and he was also a Fellow of the Spectacle-makers' Company and a diplomate of the British Optical Association.

Killed in Action.

Bennett.—Corporal Bennett, 8th Buffs, formerly with Mr. H. M. Johnson, chemist and druggist, Blackpool, was killed in France recently.

Fergusson.—Captain Keith Fergusson, Seaforth Highlanders, mentioned in despatches after the battle of Loos in September last, was killed in France on January 26. He was the grandson of Mr. John J. Evans, Chairman of Evans Sons Lescher & Webb, Ltd., Liverpool.

Died of Wounds.

Maxwell.—Lance-Corporal Bernard Raymond Maxwell, 2nd King's Own Royal Lancaster Regiment, formerly on the staff of Midgley's, Ltd., Manchester, has died in hospital at Salonica. He was twenty-three years of age.

Personalities.

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Mr. S. R. Anness, J.P., Ph.C., has been appointed a member of the Licensing Committee for the county borough of Ipswich.

Mr. William Standing, chemist and druggist, has been appointed President of Darwen Tradesmen's Association, a position he occupied three years ago.

Mr. J. Taylor, J.P., chemist and druggist, of Lucius Street, Torquay, has been re-elected Deputy-President of Torquay Young Men's Christian Association.

Mr. Clement J. Wain, Ph.C., Red Lion Square, Newcastle-under-Lyme, has been appointed Director of Ceremonies of the Sutherland Lodge of Freemasons.

Mr. David A. Evans, principal of Steele & Marsh, 6 Milsom Street, Bath, was unanimously elected as one of the two Vice-Chairmen of the Bath Chamber of Commerce on January 31.

Dr. J. C. McWalter, M.A., LL.D., M.D., has published a forty-page paper on "Civics, being a Study in Applied Ethics." E. Ponsonby, Ltd., 116 Grafton Street, Dublin, are the publishers.

At the Annual Meeting of Blackburn Chamber of Trade on January 31, Mr. R. Lord Gifford, J.P., President of the North-East Lancashire Chemists' Association, was re-elected to the position of Vice-President.

A Brother-in-law of Mr. T. J. Le Seeleur, chemist, of Beresford Street, St. Helier, Jersey, Mr. George Renouf by name, and also a native of that island, has just been elected Reeve or Mayor of the Rural Municipality of Minitonas, Manitoba.

The Derby Town Council have withdrawn the notice to terminate the engagement of Dr. Bowles, assistant in the Chemistry Department. Dr. Walker, the chief, has also withdrawn his resignation, which was tendered as a protest. The textile manufacturers petitioned the Council in this matter. It is now hoped to start an aniline-dye industry in the district.

Master Allan Harley, son of Mr. Harley, chemist, Perth, has recently passed in the first division the Senior Cambridge examination held at Strathallan School, Bridge of Allan. Master Harley has accomplished the rare feat of taking the Preliminary, Junior, and Senior examinations within two years, and the University authorities have awarded him the first place in the school.

Mr. J. J. Booth, wholesale druggist and drysalter, Idle, has been chosen by the Bradford Chamber of Trade to represent the Chamber on a special Committee, recently set up by the Government through the West Riding Rivers Board, to experiment and consider means of increasing the output of nitric acid and of a substitute for that acid for trading-purposes, in view of the heavy Government requirements of pure nitric acid.

Mr. Sol Taylor, was at the annual meeting of the Harrogate branch of the United Kingdom Commercial Travellers' Association elected Chairman for the year. Mr. Sol Taylor is well known as the popular Northern representative of Oldfield, Parkinson & Co., Manchester. By a strange coincidence, the Treasurer of the Association (Mr. E. P. Rogers) is also in the drug-trade, and the Secretary (Mr. S. T. Goodall) was for some years in the business.

Mr. W. W. Green, J.P., C.C., the well-known Mincing Lane produce-broker, has been elected Chief Commoner (Chairman of the City Lands Committee) of the Corporation of London. The new Chairman is a Justice of the Peace for the county of Essex and a member of the Council of the London Chamber of Commerce. He has served twenty-six continuous years on the Urban District Council of Wanstead, and occupied the chair of the Education Authority of Wanstead since 1907. During the nine years of his membership of the Essex County Council he organised the visits of Essex farmers to Holland, Denmark, etc., for practical inspection of dairy-work, etc., in those countries. Mr. Green represents the Ward of Tower (which includes the Mincing Lane Produce-markets and the Corn Exchange) on the Court of Common Council.

Westminster Wisdom.

By the "C. & D. Parliamentary Representative.

The Position of Dentists.

Replying to a question by Mr. Rendall, as to how dentists come under the Lord Derby scheme, Mr. Tennant said, on January 25, that, after careful consideration, it was not thought necessary to issue any special regulation regarding dentists, but to leave their cases to be decided by local tribunals. This decision was arrived at after discussion with the deputation from the British Dental Association.

British Trade.

Mr. Runciman announced on January 25 that he proposed to arrange for inquiries to be undertaken shortly into a number of groups of industries. He was not in a position to state whether subsequently a Royal Commission would be appointed to make recommendations as to the commercial policy of the country after the war. Mr. Runciman intimated that he was not prepared, in order to facilitate the capture of German trade, to introduce legislation for the compulsory adoption of the metric system.

The National Insurance Act.

The Prime Minister has declined to accede to the request that he would, during what remains of the present Session, give a day for the discussion of a motion by Mr. Handel Booth, M.P., for the appointment of a Select Committee to inquire into the administration of the National Health Insurance Act and to consider how economies can best be effected. Our Parliamentary correspondent, however, learns upon good authority that a Treasury inquiry into the working of the Act may be expected shortly. Evidence in regard to the question has been given before the Departmental Committee on Retrenchment which is now sitting in Whitehall.

Trade Papers and Commercial Information.

In the House of Commons on January 27, Mr. C. N. Barron asked the President of the Board of Trade whether in August 1914 the editors of various trade papers offered to supply gratuitously full data and recommendations from each of our 250 trades, and whether he will now accept their offer should it be repeated? Mr. Runciman replied that offers of the kind had been made, but, while he would be glad to receive any practical suggestions from the gentlemen in question, he could not regard their assistance as a substitute for direct communication between the Board of Trade and the trade interests concerned.

The Drink Question.

Our Parliamentary correspondent is informed that the Advisory Committee which was appointed some time ago by the Central Advisory Board with the concurrence of the Ministry of Munitions, to inquire into and advise the Board as to the alleged excessive drinking among women, has made so much progress with its work that at the present time it is engaged upon the consideration of the report. Mrs. Glyn-Jones is a member of the Committee, which also includes Mrs. Creighton (Chairman), Mrs. Bramwell Booth, Lady Frances Balfour, and Miss McAdam. In the course of the Committee's investigations a large number of public bodies have tendered evidence. The Committee are asked to report as to what action, if any, is necessary to be taken in the interest of national efficiency.

Export of Sulphate of Ammonia.

In the House of Commons on January 27, Mr. Eugene Wason, M.P., asked what steps had been taken to restrict or prohibit the export from this country of sulphate of ammonia with a view to making certain the retention of a sufficient supply for agricultural purposes in this country. Mr. Acland replied that the Board of Trade and the Board of Agriculture, after consultation with the Ministry of Munitions, had decided that for the present no licences for the export of sulphate of ammonia should be issued. It will not be possible to withhold such licences indefinitely, as the normal production in this country considerably exceeds the consumption. He trusted that farmers would take the earliest opportunity of obtaining ample supplies.

Colonel Yates asked whether the right hon. gentleman could take steps to reduce the price of sulphate of ammonia, which has gone up from 14*l.* to 17*l.* per ton. Mr. Acland replied that the cost of production had also gone up very much, and a limitation of exports ought to be the surest way to secure that this article should be offered at a fair price. The Government could not hold out any hope of bringing down the price to anything like the pre-war level, or even to the level in the early part of the war.

Sir W. Essex (L., Stafford) asked if the Board considered the fact that the limitation made by this order in the disposal of sulphate of ammonia will practically compel the producers to give a bonus to the farmers.

Mr. Acland: If it compels them to make a reasonable offer to the farmers I shall be glad, because that will be very much in the interest of the nation in encouraging and facilitating the production of food, which is a most important national object.

Business Changes.

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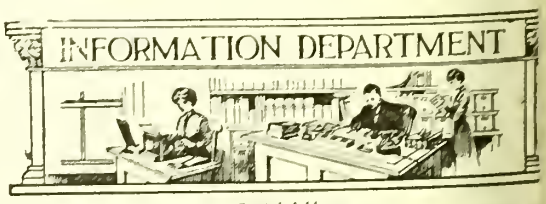
Hodder & Co., Ltd., chemists, are about to close their premises in Commercial Street, Newport.

Mr. Leslie Gates, manufacturer of bottle-capping apparatus, etc., has removed to 3 Nightingale Road, Clapton, London, N.E.

Mr. A. R. Mulligan, Market Deeping, has disposed of his business to Mr. H. C. A. Gower, chemist and druggist, Tonbridge.

Olde & Co., chemists and druggists, 53 Market Place, Penzance, have purchased the business carried on at Kent's Pharmacy, Queen Square, Penzance.

Eager Bros., hardware and brush manufacturers (proprietors of the Art and Medical Brush Manufacturing Co., of Walthamstow, and the Progressive Engineering Co., of Homerton and Leyton), have removed to 16 Carthusian Street, Aldersgate Street, London, E.C.



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Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 9017 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

116/46. J. C. Schooler Co., of New York: London agents.
202/5. "Dialectal."
117/63. Crystallised rain-drops made by the Peroxygen Co.
112/5. La Reine des Crèmes.
113/47. Newton's electric bell.
114/45. "Lipone," used in connection with glass etching.
120/35. Lait Virginal; packers.
120/54. Steronia adhesive plasters.

Observations and Reflections.

By Xrayser II.

Your Winter Number

must be my excuse (if any is needed) for neglecting current pharmaceutical politics this week. But in bulk and interest it compares well with its forerunners, surpassing last year's in the former respect by more than twenty pages of advertisements, while the amount of literary matter is exactly equal, and all excellent. I make a few remarks on the articles of antiquarian interest. "Notes from an Old Newspaper" is a capital article. I have before me a reduced facsimile of the first number of "The Times" published under that name (its No. 940 of the old series). It is dated January 8, 17; it consists of four pages, and contains only one advertisement of a patent medicine—Ruspini's styptic solution. Among the advertisements of "Sales by Calle" is one including several drugs, along with other commodities. Thomas Saffold, who is mentioned in your next article ("Old Shop-signs"), was as arrant an impostor as even those bad times can show; his piety was sickening, as were his verses, though those you quote are almost as good as a good deal of Hudibras, and might have been used of Sidrophel; their effrontery is amazing. Saffold claimed to be "a graduate physician." One reason why the dragon became a druggist's sign may have been the fact that, as Lyly says in his "Euphues," "The precious gemme Dacromtes [Draconites] is euer taken out of the heade" of this "poysoned" beast, and is, as Albertus Magnus affirms, sovereign against poisons. The salamander, too, though extremely poisonous, was used in medicine as a corrosive and depilatory. It was no doubt, as a symbol, copied by the apothecaries from the alchemists. The bull, again, though not used as a druggist's sign, had a place in medicine (see Lemery), and its blood was accounted poisonous. These are only a few of the "side-lines" of interest suggested by your article.

The Dispensing Windows

on the opposite page are in rather startling contrast with these old shop-signs, but their object is very much the same. They are scarcely antiquarian, but they carry on a very old tradition, though they do it on different lines. There are some pharmacists who decry all display of this kind, but they are only a small minority, and there is often a spice of affectation in their attitude. They aim at a professional appearance while showing, as often as not, glimpses of the cloven hoof of commercialism beneath the professional gown; the very professionalism is frequently only a subtler form of advertisement, and, indeed, it must almost necessarily be so while it is the badge of a small class. I am not sure whether the contributor of the article referred to would not lead us to the opposite extreme. I doubt, too, whether his first window would pay for the trouble involved. The scheme is too elaborate, too full of detail, and does not seem broadly effective. Many of its features appeal more to the expert than to the general public. The other is simpler, but it labours under one great objection as, indeed, they both do, though it is not so immediately apparent in the first. Their great fault is overloudness; they protest too much, have too much of the shout about them. There is a reticence which expresses more than speech, and it is as desirable in a shop-window as anywhere else. It is a good rule in window-dressing to let your goods speak for you. Put your diploma in if you like, but let your other qualifications speak for themselves, taking care, however, that your window indicates the character of your business.

Mr. George Weddell's "Arcana Fairfaxiana,"

to which you refer in your notice of his death, is one of my most cherished possessions. It was published in 1890 by Mawson Swan & Morgan, Newcastle. Few works of the kind have a greater fascination or value. The fact that the original manuscript book is reproduced in exact facsimile is a great attraction, and the further fact that the entries extend over a period of nearly 150 years and reflect, so far as domestic practice is concerned, the medical and culinary art of four or five successive generations adds greatly to its interest. Many of the entries, both medical and culinary, were evidently copied in batches from other books. This is most noticeable in the earlier portion of the work, and here it is professional rather than domestic medicine that is chiefly represented, but in the later portion the domestic recipes increase in number, and frequently have appended to them the names or initials of their authors, among whom ladies figure largely. These later entries are very miscellaneous in character, the two elements of physic and cookery are not kept so distinctly apart, and imitations of well-known proprietaries, such as Daffy's Elixir, Anderson's Pills, etc., occur from time to time. Mary Cholmeley, for whom the book is supposed to have been begun by her mother, was married (in 1626) to the Hon. and Rev. Henry Fairfax, who added many recipes to it, and may be credited with having practised physic pretty extensively among his parishioners, whereas the later owners would probably confine their attention to the members of their own households, after the manner of Tony Lumpkin's mother. It is impossible to speak in exaggeration of the scholarly care and accuracy with which Mr. Weddell's reproduction of this book was produced. He evidently hoped that a type edition might be called for, but I do not think it has. Such an edition would not have quite the same attraction, but it would be well worth what it would cost.

Tobacco,

though of little importance in medicine, plays so considerable a part in the lives of most of us that it may be worth while to set down briefly what is known with regard to its introduction into England. There is no evidence in support of the general supposition that Sir Walter Raleigh had anything to do with either its introduction or the manner of smoking it, though it does appear that he helped greatly to spread the habit. We are told by Edmund Howes in his continuation of Stow's "Annales" that Sir John Hawkins first brought over the herb in or about 1565, but that it did not come into common use till many years afterwards. Raleigh's first expedition to Virginia (he did not accompany either this or the subsequent ones) was made in 1583, but remained there only six weeks. Another attempt at colonisation was made next year, and Ralph (not John) Lane was left in the country in command of the settlement. This, too, proved abortive, and the would-be colonists returned in less than twelve months. It was in the account written of this expedition by Thomas Hariot, who took part in it, that tobacco was, in 1588, first mentioned in an English book, and this was under its native name *Vppowoc*. Hariot tells how it was used by the natives, and adds: "We our selues during the time we were there used to suck it after their maner, as also since our returne, and haue found manie rare and wonderful experiments of the vertues thereof." Raleigh, no doubt, acquired the habit from them, but even of this, says Mr. Arber, from whose notes to King James's "Counterblaste" I have copied most of the foregoing, there is little actual proof. The "Counterblaste" referred to, by the way, violent as it is, might almost be termed mild in comparison with Sylvester's "Tobacco Battered, and the Pipes Shattered." The king, indeed, likens the smoke of tobacco to that of "the pit that is bottomelesse," but the poet warns its users that it is pretty certain to bring them into it.

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Index Folio 198

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Editorial Articles.

Revenue from Medicines.

The American War brought our first dutiable medic s. The duty was 3*d.* on each shillingsworth of medi es sold by persons who were not qualified as druggist or apothecaries. The Act was replaced by another pa d in 1785. The nation was poor then, and those who re hit by the taxes grumbled badly. Fifteen years of y real grumbling occurred, and the drug-trade began o come in. The 1785 Act was repealed by the 1802 t, and the 1803, 1804, and 1812 Acts replaced parts of e 1802-1804 Acts. The result was to make the effects f the law clear, even Acts of 1815 and 1833 being desig d to make the law clearer. The broad effect of the law s that unqualified persons were severely dealt with as rega s the duties on medicines they sold, and although th different classes of medicines had been ruled by the 1 Act to be free from medicine-duty when sold by cert qualified persons—*e.g.*, apothecaries and chemists d druggists—it took more than a century for an Engl High Court to decide the point. The law has seld undergone serious alteration. In 1829-30 there was attempt to enforce the stamping of aërated waters m than they had been stamped before, and ultimat Section 20 of the 1833 Act enabled an entry in the 1 schedule to be struck out. But the late Mr. Lamplou had to fight for two years in the courts before he co get Judges to realise that the Act of 1833 had repeal the duty. In February 1894 the Revenue officers p ceeded against retail vendors of homœopathic tincture nux vomica (Smith *v.* Mason) and Dr. Gregory's stomac powder. The Justices refused to convict, but Mr. Justi Cave and Mr. Justice Collins held that there had be an offence in both cases. The case of Fincher *v.* Ducler was about a pine-tar soap, and was heard in 1895-96, b has never been made much of by the Revenue authoritie Then followed in the King's Bench Division two case in one of which Mr. W. S. Glyn-Jones (Farmer *v.* Gly Jones) intended to prove that the sale by qualifie chemists of a Pharmacopœia medicine for the preventio cure, or relief of a human ailment is exempted by a pro vision in the 1812 schedule and what has since bee known as the "known, admitted, and approved remedies

ex ption. The other case, Ransom *v.* Sanguinetti, w quite different, and was lost. Another appeal case, H ling *v.* Migge, definitely included in the medicines ch geable with duty articles which are foods but contain m caments for the relief and cure of the ailment. In th case the High Court Judges definitely decided the qu tion (*C & D.*, 1909, II., 173), but the Revenue authori- tie have not carried the matter further—*e.g.*, the Sanato- ge class of preparations have not been seriously menaced — t last July and August the Revenue authorities had se al cases against German firms, one of which has been he l by the Lord Chief Justice's Court, and is reported in is issue of the *C. & D.* In this case (Fleet *v.* Knoll & ., Ltd.) the defendants were fined by Sir John Knill fo elling certain articles which they had passed off as en e drugs and unstamped. One of them, ovaraden, wa really a mixture of one part of a medicinal extract wi one part of sugar and two parts of starch, and there ne has been any belief that such a mixture comes within the ntire drugs exemption; but Knoll pretended that it di The reason why Knoll appealed was that in a price- lis f their manufactures circulated to chemists, a state- me was made regarding the nature of the articles and th medicinal uses, and on account of this disclosure it s argued that the drugs were exempt from duty un the exemption. It is perfectly apparent that thi was a hopeless argument. Ovaraden tablets, and cer in other articles sold, were mixtures of several things alo with the active medicinal agent, and we consider th there was no proper ground for appeal in the case. Th duties on medicines have been doubled during the pa three months, and we expect that the Revenue aut rities will look more carefully after those which are co ed by letters patent, and which are being freely sold wit ut payment of medicine-duty.

Trade after the War.

Th Board of Trade has issued the report of the Sub-Co nittee of the Advisory Committee on Commercial Int igence regarding the measures to be adopted for sec ing the position after the war of certain branches of ritish industry. Among the industries to which the inq y specially relates are laboratory glass-ware, elec- tric goods, and brushes, and various reforms are sug- ges l in industrial research and training, copyright law, pat ts and trade-marks, transport facilities, trade exhibi- tio financial aid to British industrial enterprise, re- org isation of the Consular service, and the extension of e system of trade commissioners. The important que on of whether import-duties should be imposed for the rotection and encouragement of vital industries was con lered by the Committee, and the opinion is ex- pre d that:

W ere the national supply of certain manufactured arti s, which are of vital importance to the national safety, or e essential to other industries, has fallen into the hands of n nufacturers and traders outside this country, British ma facturers ready to undertake the manufacture of such arti s in this country should be afforded sufficient tariff pro tion to enable them to maintain such production after the ar.

I regard to the imposition of duties of a protective nat for other industries than those which fall within the bove definition, the opinion is expressed that some wid y spread duties will be needed, and that steps must be ken to prevent the dumping into this country, after the ar, of the accumulated stocks of enemy countries. Th onsiderations which influenced the Committee are:

(*a*) That there exists a strong desire to respond to the feeling in our Dominions in favour of an Imperial preference in trade, and that there is also a strong desire to arrange preferential trading with those who are our Allies in the present war; and

(*b*) That the present high direct taxation tends to raise the rate of interest on money, and cheap and abundant capital for the employment of their labour is of the greatest importance to the working classes.

The reasons which enable German firms to undersell British competitors in the past have been connected with specially low railway rates in Germany for goods which were to be exported, industrial combinations, and the low rates of wages prevailing in certain German industries. It is recommended that larger funds be placed at the disposal of the new Committee of the Privy Council, and also of the Board of Education, for the promotion of scientific and industrial research and training. The Universities should be encouraged to maintain and extend research-work devoted to the needs of the main industry or industries located in their respective districts; and the manufacturers engaged in those industries should be encouraged to co-operate with the Universities in such work. The question of financial assistance by banks is also referred to, and it is suggested that this problem should be brought to the attention of joint-stock banks to deal with. Government Departments should purchase wherever possible only those goods which are manufactured within the British Empire. A transport tribunal is recommended to be set up to deal with shipping questions and railway and canal facilities. It is also recommended that all German and Austrian goods imported into the United Kingdom should be required to be marked with an indelible mark, "Made in Germany" or "Made in Austria-Hungary," and goods imported from other foreign countries should be similarly marked, either with the country of origin or with the words "Foreign Made" or "Not British." Such marking should be in all cases on the actual goods, and not merely on the package. Alien firms and alien-owned companies should be prohibited from registering in the United Kingdom trade-marks containing English words.

Ceylon Coca.

In our issue of October 16, 1915, we reported that the Ceylon Government had prohibited the cultivation of coca in the island. This has brought forth a protest from a leading grower (Mr. K. B. Beddewele), who was the first to cultivate the Truxillo variety in Ceylon in 1893. At the time he received great encouragement from the Ceylon Agricultural Society, who spent a lot of money in getting an elaborate analysis of the leaves through the Imperial Institute, besides sending samples to the European and American markets to obtain the best prices. The production in Ceylon was profitable, and the Government is now asked to give reasonable consideration to a petition asking either for permission to retain the coca-plantations on conditions the Government may impose or for their acquisition by the Government on payment of reasonable compensation. The Government, however, want the plantations destroyed and uprooted, and they do not offer any compensation. The grower in his petition says that "other British Colonies are allowed its cultivation, and it is reasonable that the premier Crown Colony should be allowed the same privilege." What Colonies these are we do not know; probably the reference is to experimental cultivation in various Colonial botanic gardens like Singapore, etc. It cannot be urged that there is any scarcity of coca-leaves, although there is a great scarcity

of cocaine hydrochloride, the price of which is about 22*s.* 6*d.* per oz. or more. This scarcity has come about through the shortage of skilled labour in France and Holland and the dearness of chemical reagents among the makers of cocaine salts, and is not a matter that can be easily and quickly remedied. There is a genuine and legitimate demand for cocaine among medical men and in the war hospitals, but recently the illegitimate demand for export to India and other places has occasionally swamped the market and driven up prices to an unwarrantable extent.

Trade Notes.

The Ni-verre Chemical Co., 5 and 7 Ormeau Avenue, Belfast, call attention in our advertisement columns to a special offer of hair-shampoos.

The Week's Speciality.—The special manufacture advertised this week by Arthur H. Cox & Co., Ltd., Brighton, is chest-and-lung jubes. This is a popular line at this time of the year.

"All About the Income-tax" (the "Financial Times" Income-tax Guide) is a useful twenty-four-page book published by the "Financial Times," Ltd., 72 Coleman Street, London, E.C., at 6*d.* net.

War Map.—Jules Lang & Son, bottle-manufacturers, Charlton Works, Charlton Place, Islington, London, N., inform us that they are publishing a war map. They invite applications for this from wholesalers.

Muhak insect-powder is a Japanese product for which agents are wanted. The advertisement of the Eichiro Insecticide Producing and Manufacturing Co., who are the proprietors of the powder, appears in this issue.

Yorkshire Relish.—As from February 1 the prices of Yorkshire Relish have been revised as follows: 6*d.* bottles, 4*s.* 8*d.* per doz., 55*s.* gross quantities; 1*s.* bottles, 9*s.* 4*d.* per doz., 110*s.* gross; 2*s.* bottles, 18*s.* 8*d.* per doz., 220*s.* gross. The minimum retail prices are now 5½*d.*, 11*d.*, and 1*s.* 10*d.*

Spirit-drums.—James Burrough, Ltd., Cale Distillery, Hutton Road, Lambeth, London, S.E., inform us that they can now give prompt delivery of rectified spirit and methylated spirit to their customers, providing the corresponding empty packages have been previously despatched to them.

Allenbury's No. 3.—The prices of "Allenbury's" Malted Food No. 3 have been re-arranged as from February 1 as follows, the opportunity having been taken to increase the profit to chemists: 6*d.* size (minimum retail price 6*d.*), 5*s.* per doz.; 1*s.* (minimum 11*d.*), 9*s.* 6*d.* per doz.; 2*s.* (minimum 1*s.* 10*d.*), 19*s.* per doz.; 5*s.* (minimum 4*s.* 3*d.*), 44*s.* per doz.; 10*s.* (minimum 8*s.* 6*d.*), 88*s.* per doz., subject to the usual discount.

Lysol "L"—Lysol, Ltd., Crayford Mills, Warton Road, Stratford, London, E., have decided to adopt the description "L" brand lysol in future for their product. An announcement to this effect was given in the company's advertisement in the Winter Number. The company inform us that they use caustic potash in the manufacture of their lysol, and are fortunate in having good stocks of this chemical. An office has been opened at 47 Market Street, Manchester, in charge of Mr. J. Cleef, from which the northern district will be worked.

"The Little Kitchener."—We mentioned last week that Mr. Robert Blackie, Shen Works, Tower Bridge Road, London, S.E., has taken over the manufacture of the "Little Kitchener" pocket-stove. We have since received one of the stoves, which, as will be seen from Mr. Blackie's advertisement, consists of a tin of solidified methylated spirit, with a trivet for supporting a small boiling-pot. These are packed in a cardboard box with a large spare tin of the fuel. At the present time these cooking-outfits are selling vigorously for sending out to soldiers on active service, and chemists who are not acquainted with these goods should send to Mr. Blackie for particulars.

Tahiti Vanilla.—The exports from the Society Islands during 1914 were 144 tons, valued at 96,546*l.*, against 194 tons, valued at 161,300*l.*, during 1913.

The War has swept away for the time being, at any rate, the merchants' chief and strongest competitor, a German house, which alone, it is estimated, did one-fourth of the business of the Colony; also two smaller German firms.—*British Consul at Tahiti* (French Colony).

Pharmaceutical Society of Great Britain.

Council-meeting.

The monthly meeting of the Council was held at 17 Bloomsbury Square, London, W.C., on February 2. The first business was the co-option of Mr. C. E. Goode, Poplar, to fill the vacancy caused by the retirement of Mr. Rogers. The Benevolent Fund Committee recommended grants, amounting to 59*l.*, to four applicants. The Checking Bureau was stated to have arranged to check the prescriptions of eighty-one insurance areas. A chartered accountant is to be engaged to assist in presenting the case of chemists for increased establishment-charge. Mr. Knapman, who has completed fifty years in the Society's service, was complimented and described as "the perfect librarian." A resolution was passed altering the strength of opium preparations included in Part 1 of the poison schedule to "containing 0.75 per cent. of morphine."

The Councillors present were: Mr. E. White (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Dixon, A. S. Campkin, W. G. Cross, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, J. P. Gilmour, A. Hill, J. F. Harrington, J. Harrison, J. Keall, L. M. Lilly, P. F. Rowsell, F. P. Sargeant, T. A. White, and J. R. Young.

Letters of Thanks.

The minutes of the previous meeting having been confirmed, the President said a letter had been received from Sir Richard Robinson, thanking the Council for their congratulations on the honour that has been conferred upon him by the King. Mr. Rogers also wrote acknowledging the sympathetic message conveyed to him in regard to the death of his son Harold.

Co-opting a Member.

The President moved a resolution co-opting Mr. C. E. Goode, chemist and druggist, Poplar, as a member of the Council in place of Mr. Rogers, resigned. The President said Mr. Goode is well known to chemists, especially those of Essex, for his wide experience in business. He has also a full knowledge of the difficulties which the Society has to encounter and the possibilities which can be afforded. He (the President) was confident that Mr. Goode will be an accession of strength to the Council.

The motion was adopted.

Mr. C. E. Goode.

Elections and Restorations.

The election then took place of forty-three members and twenty-seven student associates, while seventeen members were restored to their former position in the Society. Two names were restored to the Register of Chemists and Druggists. The Registrar reported that during the month he had registered forty-one apprentices or students.

Correspondence.

The Privy Council sent a copy of the report of the Government Visitor to the examinations in Edinburgh.

The Board of Education intimated that the School of Pharmacy has again been placed on the list of institutions eligible to receive grants as technical schools.

The Metropolitan and Home Counties' Organisation Committee asked the Council to receive a deputation representing the Metropolitan and Home Counties

hemists' Association, to discuss the attitude of the ouncil towards trade matters. It was arranged to ceive the deputation on March 1, after the next Council-eeting.

The Privy Council sent a copy of the Order made in outh Australia prohibiting the sale of Natura supposi-ries. The Law Committee is to consider if this has ny bearing on pharmacy in this country.

The Pharmacy Board of Victoria enclosed a reply from e Privy Council, sent to the Pharmacy Board through e Colonial Office, to the effect that the Pharmaceutical ociety are only required to register under Section 4 (*b*) ch persons as "produce evidence satisfactory to the ouncil of the Society that they are persons of sufficient ill and knowledge to be so registered." The President marked that the whole point is whether this is optional mandatory.

Mr. W. Forster, Seaham Harbour, wrote in regard to e acceptance of an application for examination in June a young lady whose birthday is on June 24. The te upon which the entries close is June 15 and "at e time of giving notice" candidates must have attained e age of twenty-one years. It was pointed out that the ouncil has no powers to vary the by-laws.

Retiring Members.

The Secretary reported that the following members the Council retire in May next: Messrs. W. G. Cross, . L. Currie, W. H. Gibson, R. L. Gifford, A. Hagon, M. Parry, and E. White.

The Registrar's Annual Report.

The Registrar then submitted his report for the year 5, of which the chief features are embodied in the lowing abstract:

The subscribers to the Society are 757 life compounders, npared with 726 in 1914; 7,555 annual subscribers, against 49 in 1914; 539 student associates, against 599. The mber of persons registered as apprentices or students s 592 [733 in 1914]; 462 persons passed the Minor, against in 1914; while the successful Major candidates mbered 24, against 45 in 1914. The Register of Pharma-utical Chemists contains 2,001 names [2,015 in 1914], and t of Chemists and Druggists 14,798 [14,615 in 1914], an ease of 183 names during 1915. The Register of Super-endents of Bodies Corporate contains 655 names [638 in 4]. The section of the report dealing with the ad-nistration of the Pharmacy Acts shows that 1,122 [1,113 1914] cases of alleged infringement were investigated ring 1915, and in 300 cases [239 in 1914] proceedings were tituted. It is added that 754 shops were inspected to ertain whether a certificate of qualification was ex-ited.

The President remarked that the membership is eping up to 10,000 and that the examination results satisfactory.

Finance Committee.

The Treasurer then submitted the report of the ance Committee, of which the following is an ab-ct:

The receipts of the General Fund during the month were 9*l*. 13*s*. 3*d*., made up as follows: Penalties and costs, 4*s*. 5*d*.; "Journal," 39*l*. 10*s*. 10*d*.; B.P. Codex, 17*s*. 10*d*.; subscriptions, 653*l*. 2*s*.; registration-fees, 16*s*.; school-fees, 69*l*. 6*s*.; election of Pharmaceutical mmittees, 3*l*. 1*s*. 8*d*.; ground-rent, 39*l*. 3*s*. 9*d*.; dividend War stock, 5*l*. 14*s*. 5*d*.; sundries, 21*l*. 14*s*. 4*d*.; restora-n-fees, 2*l*. 2*s*. After deducting the payments ordered the last Council-meeting, an adverse balance remained 221*l*. 1*s*. The following amounts were recommended for ment: "Journal" and publications, 134*l*. 0*s*. 9*d*.; tionery and office expenses, 49*l*. 9*s*. 1*d*.; current expenses, 6*l*.; salaries, etc., 333*l*. 6*s*. 8*d*.; school and examinations, *l*. 0*s*. 8*d*.; law and professional charges, 112*l*. 13*s*. 3*d*.; se, 230*l*. 0*s*. 4*d*.—a total of 1,758*l*. 11*s*. 2*d*. The balances the Benevolent Fund were: Current account, 190*l*. 9*s*. 2*d*.; ation account, 257*l*. 5*s*. 11*d*.; Orphan Fund, 11*l*. 6*s*. 4*d*.

The Treasurer, in moving the adoption of the report, d the receipts for the Benevolent Fund were far erior to what they were a year ago. Among the ial donations to that fund were: Western Pharma-s' Association (proceeds of a whist-drive), 6*l*. 12*s*. 6*d*.; Middleton (Nottingham), 1*l*. 15*s*.; Mr. H. Skinner n exceedingly good friend"; proceeds of the "Script" Fund), 10*l*. 10*s*. In regard to the Orphan Fund, the President set right the adverse balance shown last month by a contribution of 2*l*. 11*s*. 10*d*., and a donation of five guineas had been received from the Sheffield Chemical and Pharmaceutical Society. There are, however, two payments of 30*l*. each to be made from the Fund this month.

The report was adopted.

Benevolent Fund.

Mr. Bilson presented the report of the Benevolent Fund Committee, which recommended grants to four persons amounting to 59*l*.

Mr. Campkin having remarked on the satisfactory receipts of the Benevolent Fund, the report was adopted.

Library Committee.

The President presented the report of the Library, Museum, School, and House Committee, which included approval of a repairs bill of 12*l*. 14*s*. It was also stated that in regard to the classes in Russian for pharmacists, the President had offered to bear the cost of the experiment.

"A Perfect Librarian."

The same report referred to the fact that Mr. J. W. Knapman, the librarian, had celebrated his jubilee as a member of the Society's staff.

The President, in this connection, said that Mr. Knapman was appointed fifty years ago by the House Committee, and the Council confirmed the appointment at the meeting in February. At that time Mr. Elias Bremridge and Mr. Knapman were the only officers of the Society. Mr. Knapman, continued the President, is "a perfect librarian," and has fulfilled his duties in a perfectly satisfactory manner. His services have been very highly appreciated by the Council and the members.

The report was adopted.

Local Associations Executive Committee.

The Parliamentary and General Purposes Committee's report consisted mainly of the report of the Local Associations Executive Committee. This report stated that eighty-one Pharmaceutical Committees have intimated their intention of using the Society's Insurance prescription-checking bureau. There are thirty girls being trained for the work of checking, and they are ready to start at once. The services of a chartered accountant are to be secured for the purpose of presenting a case for a revision of the establishment-charge. Consideration of a resolution from the London County Pharmaceutical Association dealing with the same question was postponed. The Essex County Association's protest regarding the decision of the Society not to deal with certain trade matters was considered, in view of the statement that this duty was specifically laid on the Executive Committee at the last Conference. On the suggestion of Mr. H. Wolff, it was agreed to call a meeting of the Conference as early as possible—May was suggested—to discuss the matter. A small Committee was appointed to meet a Committee of the British Medical Association in regard to stock mixtures.

The report was adopted.

Examination Statistics.

The report of the Boards of Examiners on the recent examinations in London and Edinburgh showed that of 167 candidates for the Minor examination 91 passed.

All Laudanum to be Scheduled.

The President then moved the following resolution:

That by virtue and in exercise of the powers vested in the Council of the Pharmaceutical Society of Great Britain by the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, the said Council does hereby resolve and declare that the article in Part I. of the schedule to the last-named Act, "Opium and all preparations or admixtures containing 1 or more per cent. of morphine," ought to be removed therefrom, and that the article "Opium and all preparations or admixtures containing 0.75 per cent. of morphine" ought to be added thereto.

The President explained that the new Pharmacopœia change in the strength of tinct. opii to 1 per cent. forces upon the public an increase in the strength of laudanum. It is possible that this is associated with the international standards, although 0.75 per cent. of morphine is an old-established strength for tinct. opii. The change in strength placed the tinct. opii of the new Pharmacopœia automatically in Part I. of the Poisons Schedule, and imposed upon pharmacists the legal obligation to supply the preparation of a considerably increased strength. The effects, however, of supplying the new preparation by retail without an explanation were likely to be serious, and in January last the Council issued a recommendation to the trade. Unfortunately, this seems to have been considered in some quarters as having been issued with the idea of evading responsibilities. The Council certainly had no intention of doing that, and since then the General Medical Council has, at the request of the Privy Council, issued an "amended" recommendation, which is a paraphrase of the one prepared by the Council. The General Medical Council also considered that the strength of tinct. opii in Part I. of the schedule should be reduced to 0.75 per cent. The (Pharmaceutical) Council, having carefully considered the matter, and having obligations to fulfil to the public in preventing mistakes, had decided to fall in with the suggestion. This was embodied in the resolution given above.

Mr. CAMPKIN said the difficulties which had been caused showed the mischief of "monkeying" with the standards for opium and nux vomica. He gave instances where difficulties had resulted.

The motion was adopted.

This concluded the public business.

Associations' Winter Session.

Other meetings are reported under Insurance Dispensing Reports.

Birmingham.—A meeting of the Birmingham Pharmaceutical Association was held on January 26 at the Grand Hotel, when a lantern-lecture was delivered by Mr. Harold Baker on *The Avon from Pershore to Tewkesbury*. The President (Mr. E. W. Mann) proposed a vote of thanks, which was seconded by Mr. F. H. Alcock and carried unanimously.

Buckrose.—Meetings of the Buckrose Pharmacists' Association have been held at Bridlington and Driffield. Mr. Parkinson (Driffield) was elected *President* for the ensuing year, and Mr. P. Hawkins was reappointed *Secretary*. The balance-sheet, showing a balance of 7*s*. 2*d*., was approved. Delegates were chosen in accordance with the letter from the Leeds Association as to a federation. It was resolved (1) that a letter be sent to the wholesale houses pointing out the injustice of the extra charge of 6*d*. per dozen on certain patent medicines over and above the new tax, thus handicapping the chemist in competing with the stores; (2) that the letter by Mr. Saunders, of Liverpool, be approved, and action be taken as suggested; (3) that inquiries be made as to the obligation or not of supplying drugs not on the Tariff if not in stock, seeing that there is no allowance for postage in such cases; (4) that an exchange be formed for the disposal of surplus stock, it being possible that members might have some of the scarce drugs for disposal to mutual advantage.

Dental Society of Ireland.—The annual meeting of the Dental Society of Ireland was held in the Chemists and Druggists' Rooms, Waring Street, Belfast, on January 26. The Secretary read the annual report, which showed that the Committee is taking active steps to safeguard the interests of its members, while for the purpose of assisting members in their business certificates of membership have been issued. The financial statement, which showed an increase in the deposit account, was considered most satisfactory. Both reports were adopted. The office-bearers for the ensuing year were then elected as follows: *President*, Mr. William Corbett, Crumlin Road, Belfast; *Vice-Presidents*, Messrs. F. T. Smith, Antrim, and T. A. Robb, Belfast; *Hon. Secretaries*, Mr. J. D. Carse, 233 Woodstock Road, Belfast, and Mr. D. E. Bennett, Cahirciveen, co. Kerry (for South of Ireland); *Treasurer*, Mr. Joseph Moffett, Donegall Road, Belfast; *Committee*, Messrs. E. J. Roberts, Belfast; John Beatty, Clones; Thomas J. Kerr, Samuel Hill, J. A. McRoberts, and J. Boyle, Belfast; H. Connolly, Belfast; William H a, Bangor; A. Carnett, Belfast; H. Hamilton, Mayc S. Suffern and T. Mitchell, Belfast; D. Gray, Dunman y; J. Copithorne, Skibbereen; J. Gillespie, Belfast T. Unsworth, Ballynahinch, co. Down; and J. Holton, Ner h, co. Tipperary.

Cardiff.—A meeting of the Cardiff Pharmacists' Ass ia-tion was held at the Angel Hotel on January 27, Mr. B. Eason in the chair. The President, Mr. H. Furnival, nd Mr. E. C. Harden were appointed delegates to the Chamer of Trade. Mr. W. H. Saunders' communication regarding the prices of proprietary articles was considered, and is to be brought up at the meeting which is to discuss the Proprietary Articles Trade Association. Mr. Hagon, referring to another letter from Mr. C. Breese about the formation of a Chemists' Union, said the Pharmaceutical Society is the best Union a chemist can have. The question of establishment-charges under the new Drug Tariff was passed by, as it was contended that chemists do not keep their books in such a way as to furnish the required information. The annual report was adopted, and it was resolved to purchase 25*l*. Exchequer bonds with the balance. Mr. Hagon mentioned that dealers in gold or gold-filled spectacles must have a plate-dealer's licence if the weight of gold in the frames exceed 2 dwts. This is not generally known, he said. Mr. Frederick Lea, the new President, then took the chair, and gave an address on *Pharmacy and its Part during the War*. Mr. Lea, who is a pharmacist in the Glamorgan Voluntary Aid Detachment, dealt with the increased cost of drugs and chemicals, and urged that these sho l be made in this country. The utilisation of munii-factories which will not be required on the c-clusion of peace is an interesting problem, and Mr. L hoped that some of these would be used as chemical-f-tories. Many of the men returning from active serv could be given employment in the new factories. A vote thanks was given to the President for his address, and retiring President and other officers were also thanked their services during the past year.

MR. FREDERICK LEA

was born at Audley's Cr in 1880 and apprenticed Mr. Morgan, Market Drayt He then served as an assi ant in Birkenhead, and, af studying at the Imper College of Pharmacy, Lond passed the Minor in 19 Subsequently he was assistant with Mr. W. Pr Robinson, Clapham, a Allen & Hanburys, Lt Plough Court, London. 1905 he became partner wi Mr. W. R. Williams, Card and opened the Cowbrid Road pharmacy, which M Lea took over in 1908. H has worked well for the Ass ciation for some years.

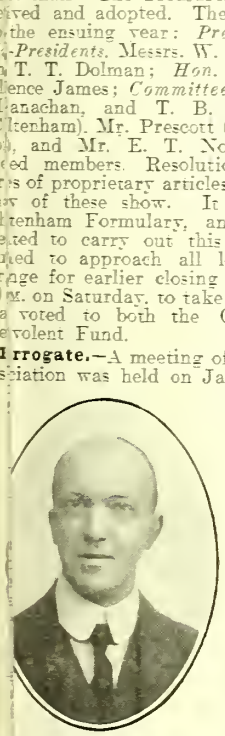
Devon.—A meeting of the Devon Pharmaceutical As ciation was held at Exeter on January 26, Mr. P. Rowsell presiding. Mr. H. Wippell Gadd (Hon. Secreta read a letter from the London Pharmaceutical Associat replying to a protest from the Devon Associat regarding the London Association's attitude towa the report of the Departmental Committee on Drug Tariff. The Chairman, referring to the position panel pharmacists under the new contracts, compared position of chemists to-day with the position before passing of the National Insurance Act. He said that duri the next three or four months there would be a disti move to prove to the Commissioners that the basis arriv at through the Peet figures is not a correct basis up which establishment-charges should be calculated. could not for a moment accept the idea that because had an established business he was to add to it work f the Government at a lower rate of remuneration than was getting for his other business. Mr. John Keall a Mr. D. P. Macdonald then gave addresses dealing with t work of the Proprietary Articles Trade Association. M Keall mentioned that the Council of the Association endeavouring to show manufacturers that the addition stamp-duty diminishes the rate of profit for the retaile It means a diminution of from 15 to 17½ per cen in some cases, and these are not the days for decrease profits. It would be noticed in the new list that not on would the profits be maintained, but they had been i creased in some cases. Mr. Macdonald referred to t menace of industrial co-operative societies with big dru

partments. Mr. Wippell Gadd said he had received two or three letters asking why only panel chemists are to be treated as in a reserved occupation. He could not answer the question. The Pharmaceutical Society tried to get pharmacy declared a reserved occupation. He thought, however, that all chemists had a good chance of exemption from military service. The Chairman said it is unthinkable that men who are carrying on their own business should not be exempted. If there is any failure to convince the local Tribunals chemists should appeal to London

Ealing.—A meeting of the Ealing Pharmacists' Association was held at the Chamber of Commerce on January 28, the President (Mr. S. W. Harrison) in the chair. The Secretary (Mr. H. Skinner) gave an account of what had taken place since the last meeting. The question of the checking of prescription-pricing, which has been remitted from the Pharmaceutical Committee, was considered, and it was decided to abide by the decision of the Committee in whatever action they may think fit to take. An address on *Organisation and Trade Matters* was then given by Mr. Arthur H. Jenkin. He admitted that pharmacy as a profession is not a paying proposition to more than a small percentage, and it is therefore incumbent upon those who are in the business to make a living to pay some attention to the numerous side-lines whereby the greater profit accrues. A discussion ensued in which Messrs. Strickland, Weston, Harrison, Skinner, Egan, and Senior took part. A vote of thanks was accorded to Mr. Jenkin for his address.

Gloucestershire.—The annual meeting of the Gloucestershire Pharmacists' Association was held at the Plough Hotel, Cheltenham, on January 27, Mr. W. H. Hill (Vice-President) in the chair. The Treasurer's and Secretary's reports were received and adopted. The following were elected officers for the ensuing year: *President*, Mr. William H. Hill; *Vice-Presidents*, Messrs. W. H. Hampton, H. Burton Clark, and T. T. Dolman; *Hon. Secretary and Treasurer*, Mr. Clence James; *Committee*, Messrs. Frank T. Palmer, J. Manachan, and T. B. C. Wickham. Mr. Hodgson (Cheltenham), Mr. Prescott (Tewkesbury), Mr. J. Bower (Cinderford), and Mr. E. T. Norton (Stow-on-the-Wold) were elected members. Resolutions were passed regarding the prices of proprietary articles and the insufficient profit which may of these show. It was decided to republish the Cheltenham Formulary, and the General Committee was delegated to carry out this work. The Secretary was requested to approach all local members with a view to arrange for earlier closing at 8 P.M. during the week and 10 P.M. on Saturday, to take effect from March 1. A guinea was voted to both the Orphan Fund and the General Benevolent Fund.

Harrogate.—A meeting of the Harrogate Pharmaceutical Association was held on January 28 at the Café Imperial, Mr. O. R. Windemer (President) in the chair. It was decided to arrange a price-list for all patent medicines and to consider the advisability of a drug price-list: a Sub-Committee was appointed, with Mr. J. M. Dawson as Trade Secretary, to carry out the work. A special meeting is to be held on February 14 to consider the report of this Committee. Dr. J. N. Todd then delivered an interesting lecture on *Native Customs and and Medicines of South Africa*. He has lived in South Africa for nine years, and he was able to deal with the various tribes of natives, their language, proverbs, and customs, in an entertaining manner. The native medicine-men, their customs, and materia medica were well portrayed. The charms and cures that are used there even to-day seem very like those used in this country in earlier days. A vote of thanks was given to the lecturer.



Mr. O. R. Windemer,
President of the Harrogate Pharmaceutical Association.

Hull.—The annual meeting of the Hull Pharmacists' Association was held on January 28 at the Grosvenor Hotel, Hull, Mr. I. W. Chapman (President) in the chair. The annual report, read by Mr. Jones, stated that 57*l.* 16*s.* had been sent to the Belgian Doctors' and Pharmacists' Relief Fund. The balance-sheet showed that the year ended with a balance in hand of 10*l.* 11*s.* 7*d.* The report and balance-sheet were adopted. The officers for the ensuing year were elected as follows: *President*, Mr. I. W. Chapman; *Vice-Presidents*, Messrs. Selle, Robinson, and T. Smith; *Secretary*, Messrs. W. Staning and R. F. Jones; *Treasurer*, Mr. Newton; *Committee*, Messrs. Wharton, Sawyer, Spilman, and Richardson. It was agreed, on the suggestion of the President, to have an occasional Thursday afternoon meeting, and at the first, on February 17 at the Métropole, he invited members to have tea with him. On the question of repeat mixtures it was reported that a postcard had been sent out stating that the chemists would not fill these, and since then the Insurance Committee had taken action. Mr. Wharton said he was glad that the postcard had proved so successful. On the question of checking prescription-pricing it was decided to stand out of the Pharmaceutical Society's scheme for checking, which would cost 30*l.* a year to Hull.

Leeds.—A meeting of the Leeds Chemists' Association was held at the Hôtel de Ville on February 2, Mr. G. W. Overend (President) in the chair. Messrs. Airth (Leeds Co-operative Society), Byard (Speights), Burley Road, and Hornby (Domestic Street) were elected members. The Proprietary Articles Association wrote that Mr. Saunders' scheme for uniform prices is impracticable on a general scale. Mr. W. L. Currie then delivered an address on pharmacy.

Liverpool.—The annual meeting of the Liverpool Chemists' Association was held at the Royal Institution on January 25, Mr. H. Humphreys Jones, F.C.S., retiring President, in the chair. There were seventy members present. At the outset Mr. H. Humphreys Jones asked Mr. William P. Evans to take up his duties as President, remarking that Mr. Evans is the son of one of the founders of the Liverpool Chemists' Association, Mr. Edward Evans, who was himself the President in 1854 and again at the jubilee of the Association in 1899. The new President then read a letter from Mr. John H. Robinson resigning the Hon. Secretaryship of the Association after three years' service. A letter was also read from Sir R. A. Robinson acknowledging the congratulatory letter which had been sent him by the Association upon the honour recently bestowed upon him. A card was read from the Birkenhead Association inviting the members to go over on February 17 to Mr. Cleworth's lantern-lecture. A vote of sympathy was passed with Mr. T. H. Swinton on the death of his wife. Messrs. Dyke, Evans, and Rogers were elected members of the Association. The election of officers for the ensuing year then took place as follows: *Vice-President*, Mr. W. H. Clubb; *Hon. Secretary*, Mr. D. H. Evans; *Treasurer*, Mr. W. Wellings. Mr. W. H. Clubb then proposed a vote of thanks to Mr. Robinson for the efficient manner in which he had carried out his duties during the last three years. This was seconded by Mr. Harold Wyatt and supported by Mr. Lomax, Dr. Symes, and Mr. H. Humphreys Jones. The last-named said probably he was more conversant than anybody present with the enormous amount of energy expended by the late Secretary in the discharge of his duties. He was prompt, conscientious, and most thorough, and he felt certain that the duties of Secretary had never in the history of the Association been so efficiently carried out. Mr. Robinson then read his annual report, an able *résumé* of the work of the Association during the year, which was adopted unanimously. Mr. Wellings read his financial statement, which showed a balance of over 22*l.* on the year's working. He said that a new edition of the Liverpool Price-list had been issued, and that 158 copies had been sold during the last three or four months. The credit for that was due in the first instance to the Secretary of the Price-list Committee, Mr. E. Prebble, and to the other members, to whom a vote of thanks was accorded. Mr. Harold Wyatt (Chairman of the Committee) replied. Mr. William P. Evans then delivered his presidential address entitled "Past, Present, and Future." He referred to the recurrence of family names in the minutes and reports—Abraham, for example, occurring generation after generation. In a report fifty years old he found one Evans (his uncle) President and another member of Council. His father, his uncle, and Mr. Sumner, all members of the wholesale trade, had preceded him in the chair. Fifty years ago the Association had 120 members and only 139, exclusive of those just elected, to-day. As there were 200 chemists in Liverpool and Bootle, he hoped to see the list extended. Of the old school he rejoiced to see Dr. Charles Symes and Mr. T. Fell Abraham present. Much more he might have said of the past had been anticipated by the valedictory address of Mr. Humphreys Jones (*C. & D.*, January 22, p. 5[illegible]). What is the position of the Association now? They had seen sixteen to twenty members listening to a paper by an eminent man from London or some other city. The average attendance fifty years ago was better than that of late. Let them brush aside anything like clique against clique or set against set, and let the Association take a foremost place. They heard a tremendous amount of talk about the National Insurance Act, but he agreed with Mr. Humphreys Jones that other matters are as pressing; for example, the high prices of drugs, which

do not imply high profits, the delay in railway deliveries, and the inefficient collection of emptics. Having bespoken large and punctual attendances (recent meetings having been delayed by as much as half an hour), he stated, amid applause, that Sir Richard A. Robinson, whom they had congratulated on his knighthood, had consented to read a paper. Sir Richard had written that he would gladly see again the places where he was born and served his time. He (the President) had also received a response from the President of the Pharmaceutical Society of Ireland. Then he proposed to arrange a smoking-concert for the war fund of the Pharmaceutical Society, and he had hopes of bringing the members into social relations on a golf-course. The members of the wholesale trade worked together on amicable lines, and why should there not be the same friendly relations between the retail chemists? Personally he would be entirely at the disposal of the Association. (Loud applause.) Mr. W. H. Saunders proposed a vote of thanks to Mr. Evans for his address. He had known the President for over forty years and the best business and friendly relations had always existed between them. "Had we a few minutes to spare," proceeded Mr. Saunders, "we could very profitably spend them by making suggestions as to how the meetings could be made more attractive. Liverpool chemists individually are most sociable, but collectively they are rather cold and reserved." Dr. Symes, seconding the vote of thanks, said no apology was required for a wholesaler occupying the chair of the Association. Is not the chair of the Pharmaceutical Society occupied by a wholesaler in the person of Mr. Edmund White? Mr. White had been able to enter fully into the difficulties of the retail trade, and their new President would undoubtedly do likewise. Dr. Symes said that the meetings are always best attended when there is any serious menace to the trade from any quarter. Such existed at the present time. A Government Department is putting pressure on the Pharmaceutical Society to allow the names of persons to go on the register who have no qualification in the sense that chemists have. After the war is over a large number of Army dispensers would clamour for recognition. Mr. L. Moreton Parry supported the vote of thanks to Mr. Evans. Mr. Clubb, the Vice-President, put the resolution to the meeting, and it was carried unanimously. The Council election evoked a good deal of interest, a record number of voting-papers having been sent in. The result was as follows: Mr. H. Humphreys Jones, 78; Mr. John Bain, 76; Mr. J. Luther Hirst, 57; Mr. Lomax, 46; Mr. G. Kennedy, 44; and Mr. W. F. Laycock, 37. The scrutineers were Messrs. Ashcroft, H. H. Marsden, R. S. Paterson, and T. S. Wokes. The President announced that the next meeting would be addressed by Sir R. A. Robinson on "Pharmacy in the Future."

London (S.E.).—A sub-district meeting of the Greenwich Section of the South-East London Pharmacists' Association was held on January 25 at Mr. Winzer's pharmacy, Nelson Street. Mr. J. Milner in the chair. It was reported that the earlier closing movement was working quite satisfactorily, several members expressing their satisfaction at the benefit that is accruing as the result of the shortened hours of business. The *Minimum Price-list* recently adopted for non-protected patents and proprietaries was revised and the following additions made: Eno's fruit-salt, 2*s*. 2*d*.; quinine-wine, 1*s*. 3*d*.; phenacetin, aspirin, and phenacetin co. tablets, 25 for 1*s*. 9*d*.; cascara tablets, 25 for 4½*d*., 50 for 7½*d*., 100 for 10½*d*., 200 for 1*s*. 6*d*.; Valentine's meat-juice, 3*s*. 3*d*.; boracic acid, 1*d*. per oz., 4 oz. for 3*d*. A discussion took place regarding the profit on some patent medicines which, even if sold at full face value, do not bear enough profit to pay working-expenses, and it was unanimously agreed by the members present that when their present stocks are exhausted of certain proprietaries they would discontinue to stock or sell them until the manufacturers revise their terms. The question of the large sale of American goods in British pharmacies was debated, and it was agreed to join with the Dulwich and Peckham Pharmacists by having cards printed, drawing the attention of the public to the necessity of buying British-manufactured goods only during the war. All the members present agreed to compile lists of surplus stock and rare drugs with a view to sale or exchange among themselves.

Nottingham.—A meeting of the Nottingham Pharmaceutical Association was held on January 26, Mr. C. E. Reynolds (President) in the chair. The evening was occupied with a discussion on *Should the Minor be Modified?* Mr. A. C. Henrichs, who introduced the subject, contended that too much stress is laid on the technical side of pharmacy as distinguished from the business side. A knowledge of window-dressing would, he said, be a more suitable examination subject than botany. Mr. Beilby and Mr. Eberlin objected to altering the Minor in any way which would lead to a lowering of the status of the pharmacist. Mr. Waring advocated greater simplicity in the examination and saw no objection to dividing it.

Portsmouth.—A meeting of the Portsmouth Pharmacists' Association was held on January 19 at the Town Hall, Mr. T. O. Barlow presiding. There was a good attendance to welcome Mr. J. Keall, who came to discourse on the work of the Proprietary Articles Trade Association. In an interesting way he touched on the more important events and problems that had been tackled during the twenty years of the Association's existence. The invitation he threw out for criticism or questions was by no means neglected, and Mr. Macdonald, of the P.A.T.A. staff, was busy for a time. Finally, a vote of appreciation and thanks and a pledge of support were heartily given. A vote of condolence was passed with the widow of the late Mr. Gresswell, and two guineas was voted to the fund for Hampshire men among the prisoners of war in Germany.

Public Dispensers.—The annual general meeting of the Public Pharmacists' and Dispensers' Association was held on January 26 at St. Bride Institute, Ludgate Circus, London, E.C. Mr. James Hassall France (Chairman) presided. The report of the Council contained a mention of the action taken with regard to the placing of pharmacists engaged in institutional work on the list of reserved occupations. The report was adopted. The question of Army rank for pharmacists came up for discussion, and regret was expressed that the War Office had not seen its way to grant a position in the R.A.M.C. to pharmacists more fitting with their educational attainments. The election of officers for 1916 resulted as follows: *President*, Mr. T. H. W. Ellis, J.P.; *Chairman*, Mr. R. Welford; *Vice-Chairman*, Mr. A. H. Jenkin; *Hon. Secretary and Treasurer*, Mr. George W. Gibson; *Hon. Secretary*, Poor-Law Section, Mr. R. J. Lindsey; *Council*, Miss C. Andrews, Messrs. A. Howell, France, A. J Gibbons, Kinsman, Moore, Skinner, and Windmill. Messrs. S. G. Elliott (Southport) and J. D. Thomas (London) were elected members.

Southend-on-Sea.—A meeting of Southend-on-Sea Association of Pharmacists was held at 167 High Street, on January 27, the President (Mr. S. F. Body) presiding. Messrs. H. T. Spouncer and F. Ingram Johnson were appointed auditors for 1916. The Supper Committee presented their report, which showed a deficit of 2*l*. 18*s*., which is to be made up from the Association funds. It was decided that the scheme of a uniform local price-list be temporarily discontinued, and that at each future meeting such information as may be available be furnished by the President for the guidance of members present. The report of the Treasurer showed a credit balance of 7*l*. 2*s*. The new rules drawn up by the Hon. Solicitor (Mr. W. Jerome) were considered, and, subject to a few alterations were passed. The question of a local Secretary for the Proprietary Articles Trade Association was raised, and Mr. R. H. Shields, of Rochford, was unanimously appointed to fill the position. It was decided that the price-list of The British Drug Houses, Ltd., be recommended as being suitable for the pricing of prescriptions for unscheduled drugs. Messrs. S. F. Body and W. M. Misselbrook were reappointed representatives on the Joint Drug Committee. A letter was read from Mr. Breese, Streatham, drawing attention to his scheme for the formation of a Chemists' Union, but it was thought that the present time is inopportune for the purpose.

Ucal Club.—A meeting of the Birmingham Ucal Club was held at the Exchange Restaurant, Birmingham, on January 26, Mr. Chas. Thompson (President) in the chair. Mr. Herbert N. Casson (London) gave a lecture on *Co-operation*, which was much appreciated, and this was followed by an address by Mr. H. O. Lloyd on *Business building by Co-operation*. A report of the first three months' advertising-campaign was presented, and many members spoke of the direct benefit received. It was unanimously agreed to continue the advertising for another three months. The meeting brought together a large number of local pharmacists, and, in addition, many from a distance, the latter including Messrs. Miller (Cheltenham), Evans (London), J. B. Francis (Wrexham), Hitchcock (Alfreton) and Naylor (Jacksdale).

West Bromwich.—The annual meeting of the West Bromwich Pharmaceutical Association was held on January 25 at Mr. Beattie's. The following officers were elected for 1916: *President*, Mr. M. H. Griffith (Great Bridge); *Vice-President*, Mr. Edw. Beattie (Boots, Ltd.); *Treasurer*, Mr. Rex Allen; *Hon. Secretary*, Mr. C. W. Kemsley Bourne; *Executive Committee*, the above, with Messrs. A. S. Barnes (Needham's) and Mr. I. M. Withers (Bullus's). The Treasurer's report showed a balance in hand of 2*l*. 14*s*. The Secretary's report showed that ten general

n tings had been held, and nine meetings of the Executive C mittee. The revised list of prices was arranged. Time d not allow of a consideration of the proposal of Mr. C Breese to form a Chemists' Union.

Vest Riding.—A meeting of the Council of the West Ring County Pharmacists' Association was held at Leeds on January 25. The difficulty of organisation throughout th scattered area of the West Riding was discussed, and th urgent desirability of more effective co-operation between th outlying districts which are disintegrated, the towns p essing Associations, and the West Riding Pharmacists' A ciation, was recognised. It was resolved that the organi- sa n of the W.R.C. Pharmacists' Association be put on a so der basis. Mr. Norwood, of Wath-on-Dearne, read his sc me for achieving this purpose, which is a plan for li ng up all the districts with the central body. This re ved general approval. Other schemes were also put be re the meeting, and there will shortly be framed a plan of organisation which will secure the complete and sy matic combination of the whole of the West Riding. Th resolution passed at the last meeting of this Association w h considered that it would be *ultra vires* for the Local A ciation Executive to deal with the retail prices of pro- pr aries, this being the fundamental duty of the P.A.T.A., w accepted, and a communication to that effect was read.

Women Pharmacists.—A meeting of the Association of Women Pharmacists was held on January 28 at Gordon H , Gordon Square, London, W.C., Miss Braithwaite in th chair. Miss H. A. Martin gave the last of her series of ectures on psychology, entitled *Laughter and Tears.* Th subject was divided into the various aspects, such as oc sions and causes of laughter and tears, effects of la ter, varieties of the laughable, mechanics of breathing in ved in laughter, etc. Miss Braithwaite announced th the combined meeting which was arranged with the Ch ists' Assistants' Association would not be held, as th C.A.A. are unable to hold further meetings this se on.

nsurance Act Dispensing.

A ecord of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

W *special reference to the supply of medicines and appliances.*

ENGLAND.

dfordshire.—At the meeting of the Insurance Com- mi e on January 25, it was stated that seven panel ch ists in Bedford and one in Dunstable had withdrawn fro the panel on January 1. The Medical Benefit Sub- Co nittee expressed indignation at the way the Committee ha een forced to join the joint prescription-pricing scheme wi out adequate consideration.

ckburn.—The "Repeat mixture" problem was the su ct of debate at a united conference representative of the harmaceutical Committee, the Panel Committee, and the Insurance Committee at Blackburn on January 27. Mr E. Hindle, J.P., presided. The pharmacists urged the de ability of abolishing entirely "Repeat mixtures," urg g that with the co-operation of the doctors this should not e difficult to accomplish. It was pointed out on behalf of e doctors that the present is not a favourable time to pre this matter, seeing that through the war medical me are now doing the work of three and four practi- tio s. It was eventually decided that the matter should be considered in six months' time. It was recommended in e meantime that doctors should endeavour, when usi the local Pharmacopœia, to use the basic name of the ixture and avoid "Repeat mixture" wherever possible. An er matter which was discussed related to the supply of ergency dressings. Representations were made that che sts should supply these to the doctors at a profit of one ird on the cost price, but the Commissioners would not gree to the suggestion. The Commissioners proposed tha every doctor should receive an additional shilling for eve 100 patients on his list, and that the doctors should nu ase the emergency dressings on their own account. It s now urged that further representations should be ma to the Commissioners, asking them to consent to che sts supplying at cost price *plus* a dispensing-fee, the opi n being expressed that this would work out more sati actorily. The joint Conference also agreed to accept the sts of The British Drug Houses, Ltd., for the pricing of se drugs which were not contained in the Tariff.

B ton.—At the meeting of Bolton Insurance Committee on nuary 27, Alderman J. T. Cooper, J.P. (Chairman), ann nced that the new Lancashire offices for pricing prescriptions would be at 2 Fold Street, Bolton, and would be opened on February 1. The following appointments had been made: Messrs Charles A. Askle (Preston), senior pricer; E. W. Walsh (Blackburn), J. H. Pelver (Oldham), and T. Gerrard (Bolton), as pricers. Alderman J. T. Cooper and Mr. F. W. Brockbank were appointed representatives on the Joint Committee for the scheme.

Brighton.—At a meeting of the Insurance Committee on January 27, Councillor Yates, referring to a clause in the report of the Medical Benefit Sub-Committee relating to the receipt of the copy of a Formulary from the Panel Committee, asked that it should be referred back, on the ground that, if only as a matter of courtesy, a copy should have been sent to the Pharmaceutical Committee. The Chairman of the Committee (Councillor Black) declined to take the matter back, whereupon Councillor Yates then moved that it be referred back. Councillor Black pointed out that there had been no want of courtesy intended on the part of the Medical Benefit Sub-Committee. The Formulary was sent to them by the Panel Committee simply for their information, not for acceptance or confirmation. It is within the right of the Panel Committee to draw up this Formulary and to prescribe from it, and all the Sub-Committee requested is that the same information should be supplied to the chemists. Dr. Eves said no discourtesy was intended by the Panel Committee, who in adopting the Formulary studied economy, because of the high price of drugs at the present time. The amendment was lost and the report was confirmed.

Burnley.—The Insurance Committee on January 27 agreed that the advances in respect of chemists' accounts be made, in regard to the first three months of the current year, on the basis of 80 per cent. of the average price per script for the year 1915, and of the remaining months on the basis of 90 per cent. of the average price per script as ascertained for the first three months of the year. It was agreed by the Pharmaceutical Committee that emergency dressings for doctors should be allowed at the rate of 1*s.* per 100 insured persons on the doctors' lists.

Cambridge.—The Finance and General Purposes Sub-Committee recommended that the request of the Pharmaceutical Committee for an "urgent" fee for prescriptions dispensed between 9 P.M. and 8 A.M. and for the abolition of "Rep. mist." prescriptions be acceded to. The report of the prescription-checker called attention to the prescriptions of one doctor being written in different handwritings, and to a prescription dispensed by nearly every chemist in the town being made up differently and charged at different prices. The question was also raised of the use of a rubber stamp in place of the doctor's signature.

Canterbury.—At a meeting of the Insurance Committee on January 25, it was reported that for the third successive quarter the chemists' claims had been paid in full. Dr. R. J. Ferguson said that he hoped that the efforts of the doctors in accommodating themselves to new methods of prescribing had helped to bring about this satisfactory result for the chemists.

Cumberland.—The report of the Pharmaceutical Committee on the drug accounts for the quarter ended September 18 draws attention to the continued prescribing of proprietary articles and to the increased cost of drugs owing to the war. Examples of expensive prescriptions were given in the report. The average cost per prescription in the county was 9.607*d.*, compared with 9.27*d.* for the previous quarter. The detailed figures, stated the report, show "clearly how some doctors are endeavouring to keep within the limits of the Drug Fund."

Isle of Ely.—The Insurance Committee at the last meeting had reported to them that the average cost per prescription for the September quarter was 8.8*d.* Of the 4,541 prescriptions, 1,000 cost from 10½*d.* to 1*l.* 6*s.* 5*d.* each.

Kent.—At a meeting of the Kent Insurance Committee at Maidstone on January 26, the report of the Finance Sub-Committee recommended that the Committee should enter into the district pricing scheme. The estimated cost of the scheme for the first year is 1,300*l.*, which includes initial expenses. This amount is to be charged to the various Committees in proportion to the number of scripts priced, which in the case of Kent will be approximately 295*l.*—about what it costs now to check prescription-pricing. The Commissioners are prepared to meet any additional cost upon Insurance Committees as against the cost of checking prescriptions on the old system. Premises have been taken at 58 Altenburg Gardens, Lavender Hill, London, S.W. The request by the Pharmaceutical Committee that the accounts shall show separately the amounts of the dispensing-fees and the cost of drugs was agreed to. The dates for sending in prescriptions are the same as arranged for other Committees—viz., the third day of each month. The report was approved. The Pharmaceutical Committee

applied for a grant, amounting to 468*l.* 15*s.*, for expenses, and the Finance Sub-Committee recommended that the request be acceded to. A protest was received from the Kent Association of Pharmacists regarding the inadequate remuneration for dispensing. The Medical Benefit Sub-Committee recommended that the Government be asked to facilitate the manufacture of medicinal chemicals in this country. In the discussion which this recommendation caused the question of the supply of duty-free alcohol came up, Mr. J. L. Spoor pointing out that this can be obtained at the present time. Before the recommendation is sent to the local members of Parliament this matter is to be inquired into. It was reported that twenty-one chemists have withdrawn from the panel, but another chemist, Mr. Millward, Northumberland Heath, who had not sent in his notice in time, was not allowed to withdraw, as he is the only chemist on the panel in that district. Mr. A. Stooke, Gillingham, was allowed to withdraw, on the grounds of age, exacting character of the work, and ill-health. In regard to the withdrawal from the panel of the whole of the chemists in Bexley Heath, the Commissioners, having been unable to induce the chemists to reconsider their position, have decided to suspend the panel system in the district referred to. Boots, Ltd., are prepared to make dispensing arrangements in the district, and the Commissioners authorised the Committee to enter into an agreement with Boots, Ltd., for that purpose. Premises have been obtained at 14 Market Place, Bexley Heath, which were opened on January 1; collecting and delivery stations have also been established at 69 High Street, Bexley, and 38 High Street, Crayford. Among other matters approved by the Committee was that "aqua," without qualification, is to mean distilled water. The question of an "urgent" fee of 6*d.*, recommended by the Pharmaceutical Committee, was remitted for further consideration by Mr. J. E. French and the Clerk. Subject to the approval of the Commissioners, it was agreed that emergency dressings be subject to a profit of 33⅓ per cent.

London.—At the meeting of the Insurance Committee on January 27 (*C. & D.*, January 29, p. 167), an attempt was made by Mr. Coysh to procure the establishment of a Special Committee to deal with questions regarding drugs and appliances in place of the Drugs and Appliances Sub-Committee which it was proposed to abolish. The suggestion did not find favour with the meeting on account of the expense that would be incurred.

Manchester.—A draft scheme for a joint arrangement for pricing prescriptions has been agreed upon between the Manchester and Salford Insurance Committees, but has not yet been confirmed. The Joint Committee under the scheme is to consist of an equal number of members appointed by each Committee, and will be entrusted with the duty of pricing all prescriptions in accordance with the Drug Tariff and furnishing the data required to enable the Insurance Committees to pay chemists' bills. The Committee is to employ a qualified pharmacist and the necessary pricing-staff and secure office accommodation, utilising the staff of the Manchester Insurance Committee as the basis of the new staff. The procedure will be that indicated by the Commissioners in their circular 220 I.C., the prescribed data being furnished to the respective Committees prior to the end of the month in which the preceding month's scripts have been dealt with. The contribution of each Committee towards the expenses is to be in proportion to the number of prescriptions sent to be priced by each Committee. It is estimated that there will be about 1,652,000 prescriptions to be priced annually, and that the cost will be about 1,112*l.*, or 13*s.* 6*d.* per 1,000 prescriptions. This is an increase on the joint cost for 1914, but this is due to the extra work required under the new scheme. For the use of the pricing-staffs the ready-reckoner issued by the Commissioners will be used, which, it is estimated, will save much time in pricing and consequently lessen the expense in the future.

Northampton.—The Insurance Committee on January 26 adopted the scheme for the pricing bureau.

Oxford.—A meeting of the Pharmaceutical Committee was held on January 14, when it was reported that in the last quarter of 1915 the number of prescriptions dispensed and chargeable on the Drug Fund amounted to 8,739, at the cost of 276*l.* 17*s.* 10*d.*, an average of 7.604*d.* per prescription. The Secretary stated that the only expense to which the Pharmaceutical Committee will be liable is the amount due to be paid quarterly to the Pharmaceutical Society for checking the pricing of the prescriptions. This liability will be met by a *pro rata* deduction, to be made by the Clerk to the Insurance Committee, from the amount due to be paid to chemists. It was agreed that a levy be made at the rate of 1*d.* in 5*s.* to be deducted quarterly, any part of 5*s.* that is less than 2*s.* 6*d.* to be ignored, and any part in excess of 2*s.* 6*d.* to be considered as 5*s.* Mr. Goodall stated that it has been agreed by the Finance Committee to pay 6*d.* per prescription as a monthly payment on account. The Insurance Committee has given notice to the doctors to discontinue the use of "Rep. mist."

Oxford Co.—The number of prescriptions dispensed during the quarter ended December 31, 1915, totalled 7,811. Of these 7,669 were ordinary prescriptions, to the value of 223*l.* 3*s.* 2*d.* and an average cost of 7.14*d.* Chemists have already received payment in full. The Insurance Committee has notified the doctors that the use of "Rep. list." must be discontinued, and have decided that the monthly payment on account should be at the rate of 5*d.* per script dispensed. It was also agreed that the price-list of The British Drug Houses, Ltd., be adopted as the wholesale net price-list to be used in the case of drugs and vaccines of scheduled appliances not specified in the Tariff. The Pharmaceutical Committee has appointed the Pharmaceutical Society to act as its agent in the checking of prescriptions priced, and to meet the cost a levy at the rate of 4*d.* in the pound is to be deducted *pro rata* from the payments due to the chemists.

Plymouth.—At a meeting of the Plymouth Insurance Committee on January 28, the Clerk (Mr. C. R. Scovell), replying to Mr. A. H. Orchard, said that seven or eight chemists have resigned from the panel.—A correspondent writes: "There is considerable speculation and uncertainty as to how the new Cheeking Bureau will be able to interpret some of the hieroglyphics which pass for prescriptions in this as well as other areas. It is difficult to see how a second set of young ladies are going to do it if unacquainted with local idiosyncrasies. The importance of the concessions obtained from local Committees are beginning to be realised, and the one in which pharmacists are allowed to exercise their judgment as to dispensing scripts presented after 8 P.M. is proving a boon in areas where the service is depleted, seeing it enables them to sift the work which comes in at a late hour. So also is the concession that allows pharmacists to send their scripts to the local office instead of direct to the pricing bureau. The question of responsibility as to the delivery of scripts by post or rail appears to have been overlooked. This area had a batch of scripts go wrong that was sent to the Commission for investigation. In this case the pharmacists were paid upon their invoices, but under the present conditions there will be no priced invoice, and therefore pharmacists must be particular to keep their duplicate or 'B' forms intact until acknowledgment is made."

Portsmouth.—At the meeting of the Insurance Committee on January 27, a letter was considered from the Commissioners insisting upon the Committee joining the South-Western, or Bristol, group for the pricing of prescriptions. The Chairman (Sir Scott Foster) thought that as the Committee is working to such general satisfaction the Commissioners in threatening them in the matter of their finances are behaving in a very unfair and mean manner. It was unreasonable and unfair to seek to force them into the South-Western group since Bristol is most inconvenient and at times quite inaccessible to Portsmouth. The South-Eastern group, meeting in London, would be the most natural and accessible. Mr. Brewis said he had the strongest objection to the group system from the chemist's point of view, seeing that if the Committee is forced into the South-Western group and this work is done at Bristol the Portsmouth chemists would have no chance of seeing what is being done with their prescriptions. After some further discussion the report of the Finance Committee, recommending that the Committee impress upon the Commissioners their strong desire to continue the present local scheme of dealing with prescriptions, was adopted with the addition that if the Committee is to be forced into a group against their desire the South-Eastern group would be preferable. Chemists' accounts for the last quarter of 1915 were passed to the amount of 1,715*l.* 15*s.* 3*d.* dealing with 52,093 prescriptions at an average cost of 7.93*d.* The Commissioners have given the Committee notice that they are not prepared to approve the payment of a fee for copying prescriptions under the new arrangements for the supply of drugs to insured persons. In compliance with the report of the Pharmaceutical Committee, the Medical Benefit Sub-Committee recommended that notice be given to all the practitioners on the panel to give no order for drugs or appliances in such a form as to necessitate a person supplying them referring to any previous order. This was adopted, and it was reported that notices had been served on the doctors to cease using "Rep. mist." as from January 1. It was reported that Mr. Thomas E. Greenhalgh had joined the chemists' panel.

Sheffield.—A meeting of the Insurance Committee was held on February 2, when it was decided that Dr. H. Brown should take over the patients of Dr. P. Reckless, who is joining the Army. The Clerk reported that he had received

urther letter from the Commissioners regarding the 1914 ergency settlement. The Commissioners state that they not recommend a grant from the Special Fund unless a nite undertaking is given by the Pharmaceutical Comtee that they will take action under Clause 40 of the dical Regulations. The Committee resolved that full ormation of the steps taken with the object of bringing o force a scheme for the scrutiny of prescriptions be fwarded to the Commissioners, with a recommendation t in the circumstances the Commissioners recommend a nt from the Special Drug Fund for the discounted areas f 1914. Mr. J. T. Appleton, who is a member of the nmittee, had written asking for the co-option of another rmacist to the Medical Benefit Committee, and it was ided that Mr. H. Antcliffe, Secretary to the Pharmatical Committee, be co-opted a member in accordance h the provisions of Section 59 (4) of the National Insure Act, 1911. The Clerk reported the receipt of a letter n the Pharmaceutical Committee, stating that no diffiy would arise from the present dispensing-hours in the tre of the city. It was decided to reconsider the matter two months' time; in the meantime inquiries will be le of practitioners regarding the matter. The Clerk sed a long report on the new prescription-pricing scheme, ch group is styled the North-East Midland Area. It decided that a payment of 4*d.* per script be made in ance, and that the Clerk be authorised to draw cheques the 15th of each month, to be signed by two members he Committee. The Clerk was also authorised to draw eque in advance for such sum as may be estimated to the share of the Committee in the cost for the pricing ngements. The Clerk reported that the chemists on list had rendered accounts for the month ended December 31 to the amount of 950*l.* It was decided to pay 75 per t. of the face-value, amounting to 713*l.* The following unts were ordered to be paid for drugs: 605*l.* 9*s.* 6*d.*; chemists for appliances, 11*l.* 12*s.* 2*d.*; to doctors for ergency dispensing, 2*l.* 12*s.* 1*d.*

hropshire.—The Insurance Committee on January 22 eived a protest from the Pharmaceutical Committee rding the inadequate remuneration for dispensing

nethwick.—At a meeting of the Insurance Committee February 1, the report of the Medical Benefit Sub-Comee was presented. This dealt with the scheme for ing prescriptions, the method of paying chemists, and statistics to be supplied by the pricing bureau.

Warwickshire.—At the meeting of the Insurance Comee on January 26, a resolution was passed surcharging umber of doctors on account of excessive prescribing. ne case a doctor ordered 754 oz. of lozenges during the . He is to be surcharged 3*l.* 2*s.* 5*d.* These surcharges made notwithstanding the fact that chemists have been in full.

Vest Bromwich.—The Insurance Committee has ded to make advances at the rate of 90 per cent. to nists for the fourth quarter of 1915. Mr. H. M. mer, of 42 High Street, Smethwick, has resigned from chemists' panel.

Worcester.—At a meeting of the City Insurance Comee, the Chairman (Mr. R. R. Fairbairn) said that a night previously it came to his knowledge that chemists he city had refused to dispense prescriptions marked p. mist." He communicated with the Chairman of local Panel Committee, who got the chemists to change r attitude pending the decision of the Insurance Comee. He thought that the chemists ought to have rmed the Committee, because their action might have serious consequences. He proposed that after March 31 doctor should give "Rep. mist." prescriptions. Dr. nett said that in such a matter it is for the Committee, not for the chemists, to decide. Mr. A. E. Coverdale, etary of the Pharmaceutical Committee, who was ble to attend the meeting, wrote that the chemists would e to dispense "Rep. mist." prescriptions until ch 31. The resolution was carried.—The Worcestere County Insurance Committee have passed a similar lution, requesting the doctors to discontinue "Repeat tures" at once, on the ground that such prescriptions ot give the insured person a free choice of chemist.

armouth.—The Insurance Committee on January 28 before it the report of the Medical Benefit Sub-Comee, which dealt with the new pricing bureau scheme gave estimates of the cost. The report stated that for first year it will cost 15*s.* 6*d.* to price each 1,000 scripts thereafter 13*s.* 10*d.* The share payable by Great mouth would be 30*l.* 19*s.* for 1916 and then 27*l.* 14*s.* a , against a cost of 8*l.* at present incurred for checking criptions. The additional cost is to met by grants from ds released in consequence of the new Tariff. The eral principles of the scheme were approved, but it was suggested that Norwich would be a better centre for the pricing bureau. This suggestion was, however, withdrawn subsequently and concurrence expressed with the scheme which has its pricing bureau at Leytonstone. The Insurance Committee decided to allow an additional dispensing-fee of 6*d.* for each prescription marked "Urgent" dealt with out of the ordinary hours. The Insurance Committee disallowed the amounts charged for two prescriptions of spirit hordei. The doctor concerned, when asked for an explanation, said a stimulant was needed and he considered whisky could be prescribed as a medicine.

York.—The Insurance Committee on January 27 decided to join the pricing bureau scheme for the year 1916.

SCOTLAND.

Edinburgh.—At a meeting of the Burgh Insurance Committee last week, it was reported that there had been submitted to the Medical Benefit Sub-Committee Memorandum VI. issued by the Drug Accounts Committee, with recommendations designed to secure uniformity and efficiency in the system of checking throughout Scotland. The Sub-Committee agreed to send copies to the Panel and Pharmaceutical Committees, and to ask their consideration of the whole memorandum, with special regard to the first recommendation appearing therein—viz., that the same wholesale list for pricing ex-Tariff drugs be adopted by all Insurance Committees in Scotland. It was stated that the Scottish Insurance Commissioners now suggest that Committees should intimate to the chemists that ex-list drugs will be priced by the Drug Accounts Committee after January 1, 1916, according to the list of The British Drug Houses, Ltd. The Committee gave instructions that the views of the Panel and Pharmaceutical Committees be asked upon this suggestion of the Commissioners. To a subsequent meeting of the Sub-Committee the Secretary of the Pharmaceutical Committee wrote intimating that his Committee could not agree to the proposal to substitute the price-list of The British Drug Houses, Ltd., for that of Duncan, Flockhart & Co. for the pricing of drugs not on the Tariff. The letter was referred to the Commissioners. The Insurance Commission transmitted a communication received from a chemist in regard to the question of pricing non-Tariff capsules and tablets. As the chemist requested a formal decision on the part of the Commission, the Commissioners asked to be furnished with the Committee's observations The Sub-Committee agreed to communicate to the Commissioners the Committee's decision and the whole facts as disclosed in the correspondence on the subject. Correspondence was submitted as to articles supplied by a firm of appliance-dealers to the orders of two panel practitioners—viz., (1) rubber tube for supra-pubic drain, and (2) two Velpeau bandages, "same as supplied previously." On the forms being returned, disallowed by the Checking Bureau, the firm explained that the article supplied in the first case was an indiarubber catheter at 1*s.* 8*d.*, and that in the second case two 3-yd. pieces 2½-in. elastic web were supplied. It was pointed out by the Bureau that the doctor did not order a catheter, and therefore it could not be paid for. The former order for bandages stated, "Please give two bandages as per sample." It was impossible to check this form. The Committee agreed that the order for the bandages be allowed (amount 3*s.*), but that the order for rubber tubing be disallowed. The following accessions to the chemists' panel were reported: Mr. A. F. Cadell, 162 Easter Road, and Mr. Wm. Gibb, 71 Warrender Park Road.

WALES.

Cardiff.—A meeting of the Insurance Committee was held on January 31. It was reported that all the Insurance Committees throughout Wales (with the exception of Swansea, Merthyr, and Denbigh) had agreed to the suggestion of the Commissioners that the pricing of their prescriptions should be checked at one centre in Cardiff under the supervision of the Cardiff Committee. The Committee therefore decided to take premises in Dumfries Place, Cardiff, at 50*l.* per annum, and to commence the work forthwith. It was agreed to accept the suggestion of the Welsh National Memorial Association that their prescriptions should also be dealt with at the centre.

A Prescription-pricing Chart for 1916 has been compiled by Mrs. Jean K. Irvine, pharmacist. It is printed on a card measuring 10 in. by 15 in., one side bearing a list of articles dispensed and their appropriate dispensing-fees for different quantities, this being prefaced by hints in regard to the pricing of drugs and appliances. On the opposite side instructions are given for the pricing of liquid preparations and ointments, together with a mnemonic aid to pricing Chart A. The card is published by the St. Clement's Press, Ltd., Portugal Street, London, W.C., at 1*s.* each post free, or 9*s.* per dozen carriage paid.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., February 3, 6.30 p.m.

ALTHOUGH a distinct lull is reported in the general demand for fine chemicals and drugs, it cannot be said that many concessions are being made in values by holders. Phenacetin and salol have been in fair demand. Cocaine is unchanged with more ready sellers. Milk-sugar is tending firmer. Quinine is realising better prices again, with more demand. Citric acid and cream of tartar are dearer; chloral hydrate is on the easier side; caffeine remains unchanged, and refined camphor is firm, as is menthol. Strychnine and salts are 2*d.* dearer. Among drugs, Persian galls have sold at famine rates, and Chinese are also dearer; Madras nux vomica has been sold to arrive at higher rates; Matto Grosso ipecacuanha is very firm and may advance; opium and menthol remain firm. Shellac, peppers, and gingers are dearer. Most of the fixed oils are cheaper. Among seeds, canary and linseed are lower; caraway is easier; coriander, cumin, fennel, and fenugreek are steady. The principal changes have been as under:

Higher	Firmer	Easier	Lower
Capsicin	Citric acid	Caraway-seed	Ammonia sulphate
Cloves	Gingers	Ergot	Canary-seed
Cream of tartar	Lycopodium	Soya-bean oil	Caraway oil
Galls (Ch. and Pers.)	Milk-sugar	Potash chlorate	Chloral hydrate
Glucose	Orange-peel		Coconut oil
Nux vomica	Phenacetin		Cotton-seed oil
Quinine (sec. hands)			Linseed oil
Shellac			Linseed
Strychnine and salts			Palm oil
Wax veg. (Jap.), c.i.f.			Salol
			Turpentine

Cablegram.

New York, February 3.—Business in drugs is fair. Opium is much lower at $11.00 per lb. for druggists'. Peppermint oil in tins is steady at $1.95. Menthol is 10c. lower at $3.00 per lb. Mexican sarsaparilla is easier at 11c. Cartagena ipecacuanha is 50c. per lb. lower at $3.25. Curaçao aloes is easier at 13c., and cascara sagrada is steady at 7c. per lb.

Agar-agar.—Quiet, with No. 1 Kobe strip offering at 2*s.* 9*d.* on the spot.

Ammonia Sulphate is 5*s.* per ton lower, London being 16*l.* 12*s.* 6*d.* net naked at works for 25-per-cent. ammonia for prompt delivery; Hull prompt is 17*l.* 5*s.*; Liverpool is 17*l.* 7*s.* 6*d.*, and Leith 17*l.* 7*s.* 6*d.* to 17*l.* 10*s.* per ton in bags f.o.b. less 3½ per cent.

Anise Oil (Star).—The spot price for "Red Ship" brand is 3*s.* 3*d.*, and to arrive 3*s.* 3½*d.* c.i.f. has been paid for February-March shipment.

Aniseed is steady at 46*s.* per cwt. for good Spanish, at which price business has been done lately.

Arsenic.—The large arrival of 1,100 packages of American from the Pacific Coast last week has not affected the position, as a large proportion has gone direct into consumption, and will not appear on the market. Moreover, supplies from other sources are very much restricted, owing to shortage of labour, dear fuel, lack of shipping opportunities, etc., so that it is possible the chemical may be dearer again before April.

Balsam Canada remains firm at from 4*s.* 6*d.* to 4 9*d.* per lb. net on the spot.

Balsam Peru.—Guaranteed genuine is in limited ply at from 21*s.* to 21*s.* 6*d.* net on the spot.

Bromides remain firm. Soda has been in better de nd, with dealers asking 18*s.* 6*d.*

Caffeine.—The position remains unchanged, makers ing unable to book contracts, but they endeavour to supply eir regular customers at 30*s.* per lb. In the outside rket there are sellers in retail at 55*s.* per lb.

Camphor (Refined) remains firm, with sales of Jap ese 2½-lb. slabs at 1*s.* 8½*d.* on the spot, and for February-rch 1*s.* 7¼*d.* c.i.f. has been paid. The exports from pan during November were 375,773 kin, valued at 335,747 n: during the eleven months ended November 30 the ex rts and destinations were as follows:

To	1913 Kin	1914 Kin	1915 Kin
British India ...	804,555	800,044	1,191,55
Great Britain ...	138,217	358,318	308,21
France	57,036	235,719	512,00
Germany	416,734	289,807	—
U.S.A.	464,368	690,343	950,89
Australia	102,271	99,083	162,87
Other countries ...	226,452	295,164	407,63
Kin	2,209,633	2,768,478	3,533,18
Yen	2,003,456	2,502,612	3,162,10

Canary-seed is lower at 78*s.* to 82*s.* per quarter or ordinary to good Morocco.

Caraway-seed is easier at 56*s.* 6*d.* to 57*s.* 6*d.* per cwt. or fair to good Dutch on the spot.

Cassia Lignea.—Sales have been made to arrive, J ary-February shipment, at 52*s.* 6*d.* to 53*s.* c.i.f. terms.

Castor-seed.—Fair arrivals have lately taken place t Hull, and the mills have again commenced; pressers, however, considerably behind-hand with their deliveri f oil.

Celery-seed.—The values are from 130*s.* to 132*s.* 6*d.* r cwt. on the spot.

Chamomiles are quiet, with good white French offerin t from 130*s.* to 135*s.*, and seconds down to 115*s.* on the s . A parcel of Spanish has just been landed.

Chloral Hydrate can be had at the cheaper rate 11*s.* 6*d.* per lb. in bond.

Citric Acid.—A large business has been done, and s stuff is now scarce; to arrive 2*s.* 10½*d.* is quoted.

Cloves are dearer, with spot sales at up to 7¼*d.* per for fair Zanzibar; to arrive a good business has been do including December-January 6⅛*d.*; January-March 6 7/32*d.*, 6⅜*d.*, to 6 7/16*d.*; February-April, 6 5/16*d.* to 6 7/16 March-May, 6⅜*d.*, 6 7/16*d.* to 6½*d.* per lb. c.i.f. For delive the sales include January-March, 6¾*d.*; June-Augu 6 7/16*d.* to 6¾*d.*

Cocaine.—The recent lively demand has now subside but the position remains substantially unchanged. Su plies are, however, not coming forward with that freedo which was anticipated from the Continent.

Codeine is unchanged and steady at 22*s.* per oz. net f the alkaloid pure crystals.

Cod-liver Oil.—Our Bergen correspondent writes January 24 that stormy weather has prevented regular co fishing. No change in the price of prime non-congealing c is reported, the nominal quotation being 330*s.* per barre Recent letter advices from Norway point to the fact th regular fishing has not yet commenced, but what cod hav been caught appear to be in good condition. The poss bilities of Germany as a large buyer at high cash pric may influence market conditions at primary sources. No wegian shippers appear to have altered their busine terms, asking "cash against documents," instead of th usual bill at thirty or sixty days' date, or 1 per cent. fo cash. No prices have been named for new oil, but ex wha London good 1914 medicinal oil has been sold at 300*s.* pe barrel and upwards, and the value of 1915 oil is from 340 ex wharf.

Coriander-seed is steady at 17*s.* to 17*s.* 6*d.* per cwt. fo common, and at 18*s.* to 19*s.* for fair to good Morocco on the spot.

Cream of Tartar is dearer at from 188*s.* to 190*s.* per cwt. for 98-per-cent. powder.

Cumin-seed is slow of sale, but steady, at 90*s.* per cwt. for good sifted Morocco, and at 85*s.* for rather dusty.

Ergot is flat, either Spanish or Portuguese offering at 2*s.* 3*d.* to 2*s.* 4*d.* on the spot.

Fennel-seed is quoted 30*s.* per cwt. on the spot for ordinary quality.

NUGREEK-SEED is steady at 11*s.* 9*d.* to 12*s.* per cwt. for Morocco.

LS.—Chinese are dearer, the sales including plum-d for February-April shipment at 73*s.* c.i.f., and for ary 67*s.* 6*d.* c.i.f. is quoted. Persian blue have been up to 160*s.* on the spot, but no further supplies are able.

TIAN continues scarce, whole offering at from 62*s.* 6*d.* . per cwt., and cut at 72*s.* 6*d.* on the spot.

GER.—Cochin is dearer at from 40*s.* to 41*s.* per cwt. ot.

COSE is again dearer. English crystal corn syrup, ry-March, is 24*s.* per cwt. ex works London; U.K. l corn syrup 23*s.* 1½*d.*, ex works Manchester.

AMINE is offered at from 4*s.* 3*d.* to 4*s.* 6*d.* per lb. e spot.

DROQUINONE is offering at from 40*s.* to 45*s.* per lb., ling to quantity.

ECT-FLOWERS.—Some inquiry for Japanese has recently g up, the spot value being about 190*s.* per cwt.

ACUANHA.—Matto Grosso it is thought is more likely vance than decline in spite of "bear" attempts to ss the market. There is still a good demand on the of large consumers for making emetine: the value is 21*s.* to 22*s.* per lb.

ON OIL is very quiet, offering at from 3*s.* 6*d.* to . per lb. c.i.f. and from 3*s.* 6*d.* on the spot.

SEED is lower at 86*s.* per quarter for good quality.

UORICE-ROOT.—Market is well supplied with common al, which is obtainable at about 35*s.* per cwt. on the

OPODIUM.—Some quiet speculative buying has taken and holders are asking 7*s.* to 7*s.* 6*d.* per lb.

THOL.—Firm. Fair sales of Kobayashi-Suzuki have been at 12*s.* 4½*d.* to 12*s.* 6*d.* per lb. on the spot; also ary-March shipment at 12*s.* 3*d.* c.i.f., and oil at . c.i.f. The exports from Japan during November ted to 24,548 kin, valued at 138,178 yen: during the months ended November 30 the exports were:

	1913	1914	1915
Kin	200,328	247,022	292,466
Yen	2,625,547	1,708,558	1,615,810

g the eleven months the exports and destinations

To	1913 Kin	1914 Kin	1915 Kin
itish India	9,068	12,144	22,087
eat Britain... ...	56,304	39,980	53,817
ance	27,569	17,829	41,774
rmany	65,765	82,600	—
S.A.	34,354	82,521	149,606
her countries ...	7,268	11,948	25,182
Kin	200,328	247,022	292,466

OL is offered at from 100*s.* to 105*s.* per lb.

K-SUGAR is firmer at 75*s.* per cwt. on the spot.

K (ARTIFICIAL).—Some holders ask 40*s.* per lb.

VOMICA is dearer, with good sales of Madras at . per cwt. c.i.f. London for February-March ship-The rise in freights is responsible for the advance.

(FIXED).—*Linseed* is dearer at 43*s.* 4½*d.* in pipes and d. in barrels on the spot. *Cottonseed* is lower at for crude in pipes on spot, 49*s.* for refined in pipes, from 51*s.* to 53*s.* for sweet refined in barrels. Ceylon t is lower at 57*s.* 6*d.* for pipes and 59*s.* 6*d.* in hogs-both on spot; Cochin is 59*s.* 6*d.* to 61*s.* 6*d.* on spot. ndon pressed is lower at 50*s.* Ordinary brown crude s scarce and nominal at 52*s.*; British refined in barrels Japan in cases is 47*s.* 6*d.* c.i.f. afloat. *Soya* oil is r Manchurian in cases in London. Hull (spot) ex-is easier at 41*s.*; Lagos *Palm* is unchanged at 50*s.* nd in Liverpool 44*s.* 6*d.* is quoted for January-ry. At auction on Wednesday the Hudson's Bay ered 168 casks *Seal oil*, which were all sold, includ-ged 36*l.* 5*s.*, fine straw 35*l.*, straw 34*l.* 5*s.*, yellow ., dark ditto 33*l.* 15*s.* to 34*l.*, brown 33*l.* 5*s.* to s., dark 33*l.* 5*s.*, black 31*l.* 15*s.* to 32*l.* 5*s.* per tun. *rmony*, from Labrador, 25 tuns offered and sold, in-white 42*l.* 15*s.* to 44*l.*, pale 41*l.* 15*s.*, tinged 40*l.* to s., fine straw 37*l.* 10*s.* to 38*l.* 5*s.*, straw 36*l.* 10*s.*, 36*l.* 10*s.*, dark ditto 35*l.* 15*s.*, brown 34*l.* 5*s.*, dark 5*l.* 5*s.*, boiled 23*s.* 5*s.*

M remains firm and unchanged at last week's prices. is in fair supply, but holders are not ready

ORANGE-PEEL.—Supplies of so-called Maltese strip are getting into smaller compass, and some holders are asking 1*s.* 9*d.* per lb. for fair.

ORRIS.—Quiet, with fair Florentine sorts offering at about 52*s.* 6*d.* per cwt.

PEPPERMINT OIL.—American on the spot is quiet at from 9*s.* to 9*s.* 3*d.*; H.G.H. is 14*s.* London terms. Spot holders of Japanese dementholised *mint* oil ask 4*s.* 6*d.* for Kobayashi-Suzuki, and to arrive 4*s.* 3*d.* c.i.f. has been paid.

PHENACETIN.—Holders now ask 67*s.* 6*d.* per lb., which has been paid.

POTASH CHLORATE is rather easier in view of arrivals.

POTASH IODIDE.—The exports from Japan during the eleven months ended November 30 were as follows:

	1913	1914	1915
Kin	44,876	75,191	117 191
Yen	263,725	503,268	692,092

QUILLAIA.—Quiet but steady at from 38*l.* to 39*l.* per ton ex store Liverpool.

QUININE has been in fair demand, chiefly on consumers' account, with sales from second-hands at up to 4*s.* to 4*s.* 1½*d.* per oz. and buyers. There are still some large orders in the market, and the position is regarded as sound. What effect the floods in Java will have on the position of cinchona cannot be said; it will, of course, add to the increasing difficulties of getting the raw material forward. On the other hand, it must be remembered that quinine speculators have fairly heavy commitments, and at the first signs of weakness they may realise, especially as there is ample room for profit-taking.

ROSEMARY OIL is said to be scarce, with 2*s* 6*d.* to 2*s.* 9*d.* per lb. asked for "mixed."

SALOL has been coming forward more plentifully; an offer has been made by circular this week at 43*s.* for February delivery from France. Actual spot holders ask 46*s.*

SARSAPARILLA of all descriptions is quiet. Mexican is offering on the spot at 9½*d.* per lb.

SHELLAC is dearer, with a good demand at advancing prices, fair TN selling at from 81*s.* to 85*s.*, and good to fine Orange marks at from 90*s.* to 106*s.*, as to quality. Futures are also dearer, the sales including March at 83*s.* 6*d.* to 85*s.*, May 85*s.* to 86*s.* 6*d.*, and August 88*s.*

SODA NITRATE is firm at from 16*s.* 3*d.* to 17*s.* 3*d.* per cwt. net for ordinary to refined in Liverpool.

SQUILL.—Rather more demand is reported; the prices asked are from 38*s.* to 42*s.* 6*d.* per cwt. on the spot.

STRYCHNINE.—Makers have advanced their prices by a further 2*d.* per oz., the quotation for alkaloid pure crystals being 2*s.* 8*d.* per oz. net, and powdered 2*s.* 7½*d.*; sulphate is 2*s.* 5*d.* net.

SULPHONAL has sellers at 45*s.* per lb., but is by no means plentiful.

SULPHUR.—The Rome correspondent of "The Times" states that the sulphur mines in Sicily have had to be closed owing to the price of coal, which is necessary for the machines used in the extraction of sulphur. About 100,000 men are thrown out of work.

TARTARIC ACID is very firm at 2*s.* 6*d.* per lb.

THYMOL is on the easier side, that from Spanish oil of thyme offering at 42*s.* 6*d.* per lb.

TURPENTINE has declined to 50*s.* 6*d.* per cwt. for American on the spot.

Arrivals of Chemicals, Drugs, etc.

During the period January 25 to February 1, inclusive, the following produce has arrived at the English ports stated. The figures denote packages where not specifically described:

To London.

Acetic acid (R'dam) blns. 20
Acetone (Philadel.) dms. 210
Albumen (China) cs. 73
Alcohol, wood (Philadel., etc.) dms. 549
Aloes (M. Bay) cs. 25
Anise oil, star (H.-Kong) cs. 75
Arachis oil (B'deaux) cks. 200
Argol (C. Town) 26
Arsenic (Tacoma) brls. 1,871
Barytes (Genoa, etc.) 320
Boric acid (N.Y.) brls. 205
Calcium acetate (Boston) 345
Canary-seed (Morocco) 10,773
Caraway oil (R'dam) cs. 9
Cardamoms (Ceylon) 102
Cascara sag. (Portland O., etc.) 987
Casein (France) bgs. 1,135
Cassia (H.-Kong) bls. 750, cs. 500
Chemicals, medicines, etc. (N.Y.) pkgs. 196, (Paris) pkgs. 24
Cinnamon (Ceylon) 1,112
Citronella oil (Rangoon) crts. 12
Cloves (Z'bar) bls. 9,439, (Penang) cs. 100
Cochineal (L. Palmas, etc.) 48
Cod-liver oil (R'dam) cs. 100
Copra (Halifax) bgs. 109, (Suez) 780, (S'pore) 150, (Penang) 111, (Sydney) tons 188, sks. 3,024
Coriander (Morocco) 2,183
Cream of tartar (B'deaux) cks. 136
Cumin-seed (Morocco) 992
Dextrin (A'dam) 300

Dragon's-blood (S'pore) cs. 4
Drugs (St. John, N.B.) pkgs. 59, (R'dam) bls. 17
Dyes (China) cs. 50
Ergot (Oporto) bgs. 30
Essential oils (Malaga) cs. 15, (Messina) pkgs. 111, ½-cs. 8 (*see also* Lemon oil)
Eucalyptus oil (Sydney, etc.) cs. 80
Farina (A'dam) 250
Fenugreek (Morocco) 2,163
Formic acid (R'dam) cs. 34
Gum copal (S'pore) bkts. 223
Gum damar (S'pore) 412
Gums, undescribed (M'seilles) cs. 55, (Saffi) 25, (B'deaux) 52, (B'bay) cs. 284
Honey (Frisco) cs. 80
Indigo (C'cutta) chts. 65, bgs. 23
Ipecac. (N.Y.) bls. 12
Jalap (N.Y.) bgs. 60
Ketone (Philadel.) dms. 80
Lemon oil (Messina, etc.) ¼-cs. 100
Linseed (C'cutta, etc.) bgs. 52,981
Liquorice-juice (Sicily) cs. 170
Liquorice-root (Alicante) 165, (M'seilles) 31
Lithopone (R'dam) 240
Milk-powder (N.Y.) dms. 156
Oils, fixed, herring (Japan) brls. 200; fish (Japan) cs. 2,000; pea-nut (Japan) cs. 200; rape-seed (Japan) cs. 2,500, (China) cks. 209; soya-bean (Japan) cs. 4,000, (China) cks. 600, dms. 104; wood oil (China) cks. 300
Oleum (R'dam) brls. 160
Olive oil (T'gona) pkgs. 100, (Genoa) 33
Olive-stones, ground (Genoa, etc.) bgs. 723
Opium (B'bay) cs. 171
Orange oil (H'fax) cs. 10
Orris (Mogador) 10
Orris-powder (Genoa) cs. 15
Papain (Colombo) cs. 50
Perfumery (Dieppe, etc.) cs. 98
Potash salts, undescribed (Christiania) cks. 27, (Genoa) cks. 7
Potash iodide (Japan) cs. 15
Quinine (A'dam) cs. 45
Roots, barks, herbs, etc. *medical herbs* (Genoa) cs. 30
Salicylic acid (N.Y.) brls. 5
Saltpetre (Bombay, etc.) bgs. 8,775
Seeds, sesame (China) 4,200
Senega (N.Y.) bls. 30
Senna (Suez) bls. 60, cs. 10
Shellac (C'cutta) chts. 994, bgs. 206; *button* 26; *garnet* 575
Soda caustic (U.S.A.) dms. 474
Sulphur (Sicily) pkgs. 3,203, tons 1,300
Tamarinds (C'cutta) cks. 125
Tartar (Spain) bgs. 528
Tartaric acid (M'seilles) cks. 40
Vanilla (Frisco) cs. 20
Wax, bees' (Z'bar) 11, (P. Sudan) pkgs. 487, (Morocco) 165, (Lisbon) 28, (Genoa, etc.) pkgs. 117, (Oporto) cs. 14, (Rangoon) 12, (C'cutta) 50

To Liverpool.

Alcohol, wood (U.S.A.) dms. 182
Aniline dyes (Havre) cks. 24
Arsenic (M'bourne) cks. 78
Barytes (B'lona) 2,200
Bismuth subnit. (St. John) cs. 12
Borax (N.Y.) 20
Chemical prod. (N.Y.) 40
Chillies (W.C. Africa) 339
Chloral hyd. (N.Y.) cs. 20
Coriander (B'deaux) 246
Divi-divi (Curacao) 2,261
Drugs (N.Y.) pkgs. 11
Fenugreek (B'deaux) 335
Glycerin (Havre) cks. 20
Iodine (Colon) kgs. 673, (Tocopilla) brls. 142
Olive oil (Seville) brls. 570
Palm-kernels (W.C. Africa) bgs. 21,472
Palm oil (W.C. Africa) cks. 1,318
Quebracho ext. (B. Ayres) bgs. 22,200
Quicksilver (B'lona) bott. 25, (Seville) 5,000
Quillaia (Chile) 362
Soda nitrate (Chile) bgs. 72,307

To Manchester.—Caraway-seed (A'dam) 25; cream of tartar (M'seilles) cks. 18; farina (R'dam) 450; lithopone (R'dam) 500; soda perborate (Rouen) 8; tartaric acid (Genoa, etc.) brls. 248. *To Hull.*—Barytes (Genoa) 200; boric acid (N.Y.) kgs. 40; chemical prod. (Drontheim) cs. 450, (N.Y.) 70; cottonseed (A'dria) tons 1,815; drugs (M'seilles) bls. 75; formic acid (R'dam) cks. 22; gentian (M'seilles) bls. 19; glucose (N.Y.) 300; linseed (R. Plate) bgs. 11,018, (B'bay) 52,504; palm-kernels (Lisbon) 342; rape-seed (B'bay) bgs. 11,902; roots, dried (M'seilles) 62; sulphuric acid (A'dam) dms. 10; tartar (Naples) 20. *To Folkestone.*—Perfumery (France) pkgs. 53.

Heavy Chemicals.

Publication of the returns of exports for January is being awaited with much interest in the North of England. So far as Liverpool and Manchester are concerned, imports are extremely small from the U.S.A., and even from the Continent they are smaller than usual. Opinions as to export results are much divided, but it is just probable that there will be a slight increase in the lighter chemicals. Bleaching-powder, caustic soda, and kindred products are nominal, with bleaching-powder at 15*l.* 10*s.* to 16*l.* per ton for softwood casks for home delivery, and caustic soda, where small parcels are obtainable, is also 15*l.* 10*s.* to 16*l.* per ton for 70 to 72 per cent.; 20*s.* less for lower strengths. Soda-crystals are about 2*s.* 6*d.* per ton higher, and nominally 62*s.* 6*d.* to 67*s.* 6*d.* per ton, in 2-cwt. bags, on rails; bicarbonate of soda, 5*l.* 12*s.* 6*d.* per ton, also at works. Ammonia alkali is offering in smaller lots than a fortnight ago, and prices range from 57*s.* 6*d.* to 70*s.* per ton, in bags, on rails. White powdered arsenic remains quiet. Sulphate of copper, notwithstanding the rapid advance in raw metal, which was 3*l.* per ton higher on Tuesday, buyers hold off, and quotations remain unchanged at 45*l.* 10*s.* to 45*l.* 17*s.* 6*d.* per ton, delivered Manchester. Permanganate of potash has advanced sharply, and is now quoted 6*s.* to 6*s.* 6*d.* per lb. Most other potash-compounds are not quoted. Cream of tartar and acids are about unchanged, except tartaric, which is about ½*d.* per lb. lower. Sulphate of ammonia is nominal.

During the Nine Months ended September the imports of drugs and chemicals into the Australian Commonwealth amounted in value to 1,118,000*l.*, against 943,000*l.* and 917,000*l.* for the corresponding periods of 1914 and 1913.

Letters for this section should be written on one side the paper only. The writer may adopt an assumed nam for purposes of publication, but he must in all cases furni his real name and address to the Editor.

Insurance Dispensing in London.

An East-end Chemist (118/7), who has been offere nal settlement of his 1914 account against the London sur-ance Committee, sends us the papers dealing wit the matter, which require that he shall accept it as "ful ay-ment of my account and give them a receipt to that e t." Legally they need not give him anything further, I re-marks, if he does as they evidently wish him to do He proceeds: "You will see the clause I have marked in re nk. There is the possibility evidently that under the 'B' tter the Committee might not participate in this *ex-gratia* ay-ment. They might easily juggle the figures so th we should lose largely the benefit of that grant. I refu to sign this and give away all my claim, and yet I nd several about here have done so. Is it not a bit of rp practice of the Committee in dealing with us in this y? Would any other set of business men submit to such ne-sided advantage? . . . The chemists should have com off in a batch at the end of 1915. The doctors could not ve coped with the dispensing, the numbers being so rt, and the Committee would have had to do something if-ferent. The whole business is not worth having as is, and if they had lost it they would not have lost much at was any good to them."

[The position is, unfortunately, that the Insurance m-mittee's money was not sufficient to pay all chemists ir drug accounts in full, and the Insurance Commissior as paid the Committee enough to pay 75 per cent. of he accounts. If chemists refuse this they cannot recove by legal process.—Editor *C. & D.*]

Present-time Insurance Dispensing.

Sir,—I have taken twenty Insurance prescriptions is-pensed this month and priced them under the 1915 Tiff, and also under the new one issued by the Insurance Cn-missioners. They vary in price from 4½*d.* to 2*s.* 8*d.* Tre were two under 6*d.*, nine between 6*d.* and 1*s.*, seve e-tween 1*s.* and 1*s.* 6*d.*, one 1*s.* 7*d.*, and one 2*s.* 8*d.* U r the old Tariff the total amounted to 250.50*d.*, unde e new 212.82*d.*; the difference 37.68*d.*—a loss to the chemi f about 15 per cent. The nine lowest up to 10½*d.* amou d to 68.50*d.* under the old Tariff and 68.10*d.* under the ne difference 0.40*d.*—showing clearly that any prescript s over 10½*d.* are a loss to the chemist under the new Ta . Up to and including 1*s.* the loss was 5.59*d.*; at 1*s.* 6*d.* it s 27.96*d.*

Yours truly,

Keswick. T. W. Townle

Twenty Prescriptions.

	Old Tariff.	New Tariff.
	d.	*d.*
1	4.50	4.63
2	5.00	5.71
3	6.50	5.63
4	7.00	5.87
5	8.00	8.26
6	8.50	9.22
7	8.50	8.42
8	10.00	7.08
9	10.50	13.28
10	11.00	8.23
11	12.00	9.58
12	13.00	10.22
13	14.50	10.84
14	14.50	12.75
15	15.50	10.56
16	16.00	14.50
17	16.50	12.32
18	18.00	14.44
19	19.00	15.34
20	32.00	25.94
	250.50	212.82

Certificated Dispensers as Potential Chemists.

Mr. Francis E. Trayner, Hon. Secretary of the Associati of Certificated Dispensers, 13 Carlton Road, Manor Par London, E., has sent an interesting letter this wee to the leading Associations of chemists and dru gists throughout the country. In the course of it he says

On May 5, 1912, four representatives of this Associa- tio availed themselves of an invitation to meet a section of the Pharmaceutical Council which was deputed to act for the Council. The deputation from this Association consisted of the Chairman, a Vice-Chairman, and a member, together with the Secretary; the representatives of the Pharmaceutical Council being the past and present President, a member (Mr. Harrington), together with the then Secretary and present Assistant Secretary. The object of the meeting was to discuss the matter with a view of finding a way out of the difficulty agreeable to the parties concerned. When all the questions arising had been amicably debated, and views discussed in a perfectly agreeable fashion, the President, as representing the Council, expressed himself to this strain:

(1) That they considered that the Register would not suffer in any way by the inclusion of the names of such individuals as they then saw before them;

(2) That if it was a question affecting then holders of the "full" certificate only, a by-law could be framed, but that the Council could not complacently view any other point to the Register in the future than by their own examination.

As the representatives of this Association did not possess plenipotentiary powers to give the assurance demanded, the matter had to remain as it was for the time being, so the members of this Association withdrew, hoping that the Society of Apothecaries would agree to the waiving of the operation of the by-law as it would affect the future, and more youthful, "Assistant."

(1) After repeated representations to the Society of Apothecaries by this Association the Society subsequently fell into line with the wishes expressed by the Sub-Council of the Pharmaceutical Society at the meeting of May 5, 1913, and, following out the recommendation contained in the Report of the Departmental Committee on the Supply of Medicines to Insured Persons, which recommendation was to the effect that a spirit of "frank accommodation" should temper the negotiations, proceeded to arrange a meeting between the accredited representatives of both Societies. This meeting took place in July 1914. As a result an agreement was arrived at, whereby all the grounds for objection previously existing were removed. It was agreed that claims could only be considered from persons holding certificates obtained previously to the passing of the 1908 Act. At this meeting a number was mentioned as being the maximum the Pharmaceutical Society would be prepared to register. Acting on the advice of the Society of Apothecaries, this Association took steps, by means of consecutive public advertisements in the various trade journals, to ascertain approximately the number of individuals likely to put forward a claim. As a net result it was found that the total number replying fell considerably short of the number mentioned as a maximum, and that, judged by a reasonable standard, fully 50 per cent. could not be considered by a fair tribunal to have the remotest chance of success in their claim.

(ii) Giving evidence on behalf of the Pharmaceutical Society before the Departmental Committee before mentioned on April 1, 1913, Mr. Glyn-Jones, in reply to a question, agreed that it might be possible to make a by-law admitting persons, having a vested interest, to the Registers and then closing down for all time. (See Minutes of Evidence, Question 3,051.)

[The question referred to in the above is as follows: "I am thinking of the case you mentioned of an apothecaries' assistant who has been in charge of the dispensing for a large institution for thirteen years. Do you not think it conceivable that such a person might quite safely be allowed to open shop with a lower standard of examination than a person who simply got through his curriculum as rapidly as possible?—I might if it was a question of recognising a vested interest existing and then closing it down for all time. But I think in the interest of true efficiency the ideal thing, if you start square, is to have one proper avenue."]

Mr. Trayner concludes with a request that those who received the letter will bring it to the notice of their Association at the next meeting.

Seamless Paper Boxes.

Sir,—The seamless paper ointment-boxes which we are using just now are not so good as they might be. They are better than chips, but in my view could be improved. A real grease-proof box is to be desired, and the easiest way of making a chip or paper box grease-proof is to give a short and hot bath in melted paraffin wax. But a box which is waterproof is also, to a certain extent, greaseproof—*i.e.*, it appears to have a longer lease of life. An other method, derived from principles underlying the carbon process known to photographers, is to give the boxes, paper or other, a bath of gelatin about 5 per cent., and when dry another bath in 5-per-cent. solution of potassium bichromate, drying in daylight. The boxes or paper should be washed in water, to which a small quantity of alum may be added. The result is card or paper or wood practically impervious to water. The writer has often improvised cardboard trays for photo purposes on these lines in years gone by. Unfortunately boxes treated inside and out by these methods do not look clean and smart, however effective the process may be in keeping the grease from showing, otherwise the trouble involved is not great and the cost trifling. I have often used with the old chip box a strong shellac varnish (which may be colourless) inside only, and I am not sure whether this is not, after all, quite the neatest way as leaving the outside of the box quite clean and unstained.

Yours, etc.,
J. P. N. (116/6.)

Senna Leaves and Fruit.

Sir,—Senna-pods suffered, in this country at least, an eclipse longer and more complete than that of castor oil. Until quite recently they were never met with in our shops, and the first official notice of them that I remember occurs in the B.P. of 1864, in which we are directed to reject them when found in samples of Alexandrian leaves. It was apparently the frequent presence of these and other impurities in Alexandrian senna that led, early in last century, to the growth of Tinnevelly senna in popular favour. Up till then the Alexandrian variety had always been preferred, but in my early days it was rarely met with, and would certainly not have been accepted by the public without an explanation. The neglect of the pods is the more curious because these were preferred to the leaves by Mesue and the other Arabians to whom we owe the first introduction of senna. It appears from what Gerard says of them that their disappearance from our practice was due to causes similar to those which afterwards affected Alexandrian senna so unfavourably. They were—he says—often unripe and in very bad condition, with the result that they were more apt than the leaves to cause griping and flatulence. They are now recommended in preference to the leaves because they cause less, and the explanation of this difference doubtless is the greater care now taken with them. Lemery, however, speaks of them as being in his time used indifferently with the leaves.

Yours faithfully,
Pharmakon. (109/96.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Incense Charcoal.

Sperans (118/60) asks: "What is the recipe for making the prepared charcoal used in the thuribles in Catholic churches? The property of this charcoal is that it can be lighted by a match, and then it continues to burn until it is used up. It is usually sold in the form of circular flat cakes, ¼ in. in thickness and about 3 in. in diameter."

What Would you Charge?

"In reply, the charge for this bromide mixture at present current rates in 'The Queen of the Midlands' is, with the 2*d.* dispensing-fee, 7*s.* 9*d.* The writer deals with many of this description, and some have advanced by easy stages from 1*s.* to 4*s.* 6*d.* and higher."—*Midlander* (118/16).

A Correct Copy.

White lint, ¼ of a yard.
Oil silk, 7×7 inches.

"I feel very elated with the comfortable sense of my professional status after dispensing this order on the commercial (?) basis of the N.H.I. Tariff, the commerce of which allows of neither buying nor selling. Will some leisured chemist please work out the figuring?"—*Bilious* (115/70).

"Cerebos Salt

is a household word to millions who never heard of the man who introduced it, to whom it brought a well-deserved fortune. The idea is such a simple one that it was astonishing that it had not occurred to scores of men before Mr. Weddell's time, but it was left to him to make the discovery of the inestimable value of a salt that would remain permanently dry and in a condition of fine powder. In addition to the application of this idea, he invented a splendid name for the product, and backed the whole scheme with fine business talent and advertising instinct. These factors combined to make 'Cerebos' the best-known salt in the world. The man behind 'Cerebos' was practically unknown to the general public, but we pharmacists

knew him. We all esteemed him, and to those who had the good fortune of his friendship, esteem deepened into something warmer and more cordial. He was a successful man of business in many fields; but success did not spoil him, for he remained always the true, genuine son of the people from whom he sprang. I had the privilege of knowing him a little, but had not met him for many years, and the announcement of his too early death comes to me as a great shock. It does not seem twenty-five years since he sent me a copy of his little manual on bookkeeping—a work that did much good at a time when bookkeeping, so far as chemists were concerned, was an unknown art."—*M. P. S.* (118/7).

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

Muc. Acac. (113/56).—It is illegal to sell without a licence any preparation containing more than 2 per cent. of proof spirit, but the Excise authorities permit these to be sold without any licence if 3 per cent. of proof spirit is not exceeded. Any wine containing 4 to 5 per cent. of alcohol will require either a sweets-licence or a wine-licence, according to its origin. See the *C. & D. Diary*, p. 367.

Ypres (113/55) recently bought two freehold houses for 545*l.* and 400*l.* respectively, and mortgaged them for 650*l.* The same solicitor acted for him in all the transactions, and the solicitor's charges amount to 29*l.*, which includes 9*l.* 5*s.* for stamp-duty and 3*l.* 3*s.* for valuation of the property made on behalf of the mortgagee. Are the charges reasonable, and is "Ypres" chargeable with the valuation-fee and the negotiation of the mortgage loan? [We are of opinion that the charges are reasonable and less than would possibly be allowed upon taxation, and that, in the absence of a stipulation to the contrary, "Ypres" is chargeable with the survey-fee and the negotiation of the loan.]

A. B (111/16).—A and B were tenants of adjoining houses. A bought the house in his occupation, and three years ago fixed a refrigerator to the wall which separates the two houses. Two years ago B bought the house of which he was tenant, and in the conveyance the wall to which the refrigerator is fixed was termed a "party wall." On B's side of that part of the wall against which the refrigerator rests there has been evidence of damp ever since the refrigerator was fixed. Is A entitled to keep the refrigerator in its present position? [We are of opinion that if, by creating dampness or in any other way, the refrigerator causes damage to B or his property, he is entitled to take legal proceedings against A for damages and to secure the removal of the apparatus. It is possible that the Court might withhold relief, on the ground that A ought to have taken steps in the matter earlier; but if A is suffering substantial damage, and particularly if the damage has increased of late, we do not think that his claim will be defeated on the ground of delay.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these, they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

Torquay (108/61).—Please refer to the index to the last volume of The Chemist and Druggist for several references on the preparation of eupad and eusol. Your second inquiry we cannot decipher.

W. H. (111/27) has had an order for one dozen glycerin-ichthyol tampons containing 10 per cent. of glycerin of ichthyol. He wants to know what the dispensing-fee should be. [We consider that he is entitled to charge 8*d.* per dozen.]

D. M. L. (115/45).—The Apprenticeship Premium for a dental mechanic varies in London from 100*l.* to 300*l.* for three years, according to the position of the principal.

L. J. (115/57).—Write to the Secretary of any medical school whose lectures you think of attending in order to get the requisite information on the subject.

F. H. L. (118/39).—We are not accustomed to comment upon paragraphs appearing in weekly papers, and we note that the paragraph to which you refer is apparently not intended to benefit chemists in the slightest.

Major (166/15).—The best way to tackle the ajor examination is to do the work slowly, and do it well. You should take second and third years' inorganic che stry (practical and theoretical) at the technical school you hen-tion, and first and second years' organic chemistry (pr ical and theoretical). Botany (practical and theoretical may also be taken during a winter session, but it would be ise, if possible, to include at least one summer session in our course, for the sake of studying classification, wh is always troublesome unless it is made a practical udy under proper guidance. The additional materia medica required may be studied from Greenish's "Text-bo of Materia Medica" and the B.P., and practical materia medica from Greenish's "Microscopical Examinati of Foods and Drugs," which gives ample directions f the necessary practical work. Physics (heat and light) uld be studied at the technical school, and should be m a practical study as far as possible. You will find an o ine of the practical part of the examination in the c ial syllabus, which is obtainable from the Registrar, 17 Bl ms-bury Square, London, W.C.; and useful guidance as the course of study may be obtained from the prospect of the School of Pharmacy of the Pharmaceutical So ty, obtainable from the Dean, 17 Bloomsbury Square, Lo on, W.C.

Who Said This?

We have selected from famous authors things that ey have said which pertain directly or indirectly to phar cy or medicine. We propose to print these week by week nd we ask our subscribers to say who the authors were. he quotation printed last week was:

"The bottles of green and blue light
Which you see in a chymist's shop-window at nigh

This week's quotation is:

"Prevention is the art of policy."

Tell us on a postcard who said this, giving your me and address. We shall award a copy of Wootton's "C o-nicles of Pharmacy," in two volumes, or of "Pharmace al Formulas," to the *C. & D.* subscriber or his assistant ho correctly gives us the names of the authors of the quota ns which we publish in our issues this month, including he Winter Issue, January 29. Replies received later tha en days after the quotation is published will not have pri ty of choice when we come to adjudicate the prize-winn

Retrospect of Fifty Years Ag.

Reprinted from "The Chemist and Druggist," Feb. 15, 18

Chloroform for Removing Stains of Dry Paint.

By Thomas B. Groves, F.C.S.

An accident, involving the loss of several ounce of chloroform at a time when, in consequence of a suc n and unprecedented demand, it was peculiarly valua , introduced me to the knowledge of a fact I was previo y unaware of—viz., that chloroform is capable of exertin a powerful solvent action on dry white-lead paint. The a dent happened in this way. The four-ounce measure I s using had been broken and afterwards carefully men l with white-lead, several months being allowed for it become thoroughly hard. In that state it was, as I imagin , capable of resisting for at least a short time the ac of any of the more powerful solvents to be found in chemist's shop. On pouring chloroform into it, howe , I was at once undeceived, for the bottom fell out imm ately without sufficient warning to enable me to save drop of the liquid. Had it been mended with barley-su and water then poured into it, the effect would not h been more sudden. To turn this loss to some accoun then tried comparatively the respective effects on old pa work of ether, benzol, bisulphide of carbon, and chlorofo I found that the last, applied on wadding with ge friction, speedily exposed the clean surface of the wo while the ether and benzol removed the more recent o of the layers of paint. Bisulphide of carbon apparen was without action. Query, then, would it not be advisa in cases where valuable dresses have been to all appearan spoilt by paint being allowed to dry upon them to t the effect of chloroform before giving up all hope? At a rate, I shall try it on the first case I meet with. I ha already discounted the smiles of the fair ones, whose gra tude I intend to deserve.

Weymouth.

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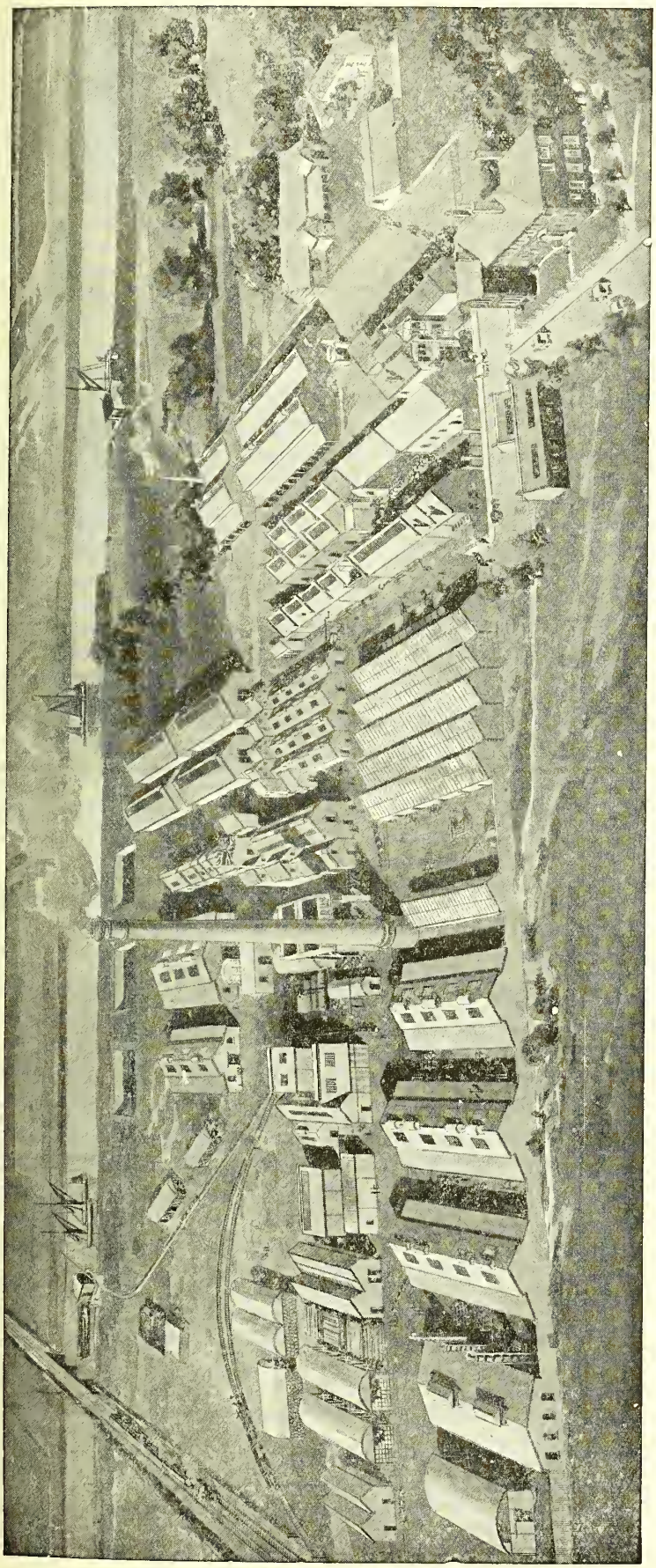

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Gamboge, Englisb Ground. 7 lbs. @ 4/- lb.; 1 lb. @ 4/6 ib.
Ginger, English Ground, 1 cwt. @ 46/- cwt.; 7 lbs. @ 7d. lb.
Glugerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.
Glycerin. Opt. D.D., 1.260 P.B., 1 cwt. @ 119/- cwt.; 56 lbs. @ 121/- cwt.; 12 lbs. @ 1/3 lb.
*Glycerin. Acid. Boric, P.B., 6 lbs. @ 2/- lb.
* „ Acid. Carbolic. P.B., 6 lbs. @ 1/9 lb.
* „ Acid. Tannic, P.B., 6 lbs. @ 2/4 lb.
„ Belladon. B.P.C., 6 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
*Glycerin. Boracis, P.B., 6 lbs. @ 1/5 lb.
* „ Pepsin. Acid. P B., 1 lb. @ 3/3 lb.
* „ Plumbi Subacet. P.B., 6 lbs. @ 1/9 lb.
Gualacol Carb., 1 lb. @ 80/- lb.
Gualacol, pure, 1 lb. @ 50/- lb.
Gum Acaciæ sorts, 3 cwt. @ 75/- cwt.; 1 cwt. @ 80/- cwt.; 7 lbs. @ 9½d. lb.; Englisb Ground Powder, No. 1, 1 cwt. @ 120/- cwt.; 7 lbs. @ 1/3 lb.; No. 2, 1 cwt. @ 100/- cwt.; 7 lbs. @ 1/- lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 75/- cwt.; 14 lbs. @ 8½d. lb.
Gum Gualaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.
Gum Juniper, 14 lbs. @ 1/- lb.
Gum Tbus Elect., 2½ cwt. @ 44/- cwt.; 28 lbs. @ 50/- cwt.
Gum Tragac. Elect., Englisb Ground, 7 lbs. @ 8/9 lb.; 1 lb. @ 9/- lb.

*Heading (Frothing Ess.), 5 lbs. @ 1/3 lb.; Heliotropioe, 1 lb. @ 11/- lb.
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 47/6 cwt.
Hexamethylenetetramine, 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.
Honey, Pale Set, Jamalca, 3¼ cwt. @ 44/- cwt.; 28 lbs. @ 50/- cwt.; Californian, ¼ cwt. @ 52/6 cwt.; 7 lbs. @ 7½d. lb.
Hydrargyum, P.B., 10 lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.; Ammon., 28 lbs. @ lb.; c. Creta. 28 lbs @ 2/6½ lb.; Iodid. Rub. 28 lbs. @ 16/2 lb.; Oxid. Rub., 28 lbs. @ 8/- lb.; Perchlor., Lump, 28 lbs. @ 7/7 lb.; Subchlor., 28 lbs. @ 7/4 lb.; Sulpb. c. Sulpb., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra, 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.
Hydrokinone, 1 lb. @ 45/- lb.

Ichthyol Ammon cbemical equivalent: Ammon Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/7 lb.
* „ Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* „ Buchu Conc., 1 to 7, 6 lbs. @ 2/6 lb.
* „ Calumbæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.
* „ Caryoph. Conc., 1 to 7, 6 lbs @ 1/2 lb.
* „ Cascarilla Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* „ Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/9 lb.
* „ Gentianæ Co., 1 to 7, 6 lbs. @ 1/3 lb.
* „ Quassiæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* „ Rbei Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* „ Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/6 lb.
* „ Senegæ Conc., 1 to 7, 6 lbs. @ 2/6 lb.
* „ Valerian Conc., 1 to 7, 6 lbs. @ 1/6 lb.
Insect Powder, Opt., Englisb Grd., closed flowers, 7 lbs. @ 3/- lb.; Englisb Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/6 lb.
Iodoform Pulv B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/-
Iodum resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 ib. @ 4/- lb; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sbeet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/5 lb.; sifted, 1/9 per lb.

Lapis Pumicis, fine powder, 2 cwt. @ 11/- cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 16/- cwt.; 7 lbs. @ 3d. lb.
Licorice Juice, 4 & 2-oz. Sticks, 1 cwt. @ 125/- cwt.; 28 lbs. @ 1/2½ lb.; 7 lbs. @ 1/3 lb.
*Lin. Aconiti Metb., 5 lbs. @ 1/9 lb.; 1 ib. @ 2/- lb.
* „ Bellad. Metb., 5 lbs. @ 6/2 lb.; 1 lb. @ 6/5 lb.
„ Campb. P.B., 40 lbs. @ 1/0½ lb.; 9 lbs. @ [1/1½ lb.
„ Sapo Meth., 9 lbs. @ 9d. lb.
„ Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
Linseed c. Oil, Crushed, 3 cwt. @ 23/- cwt.; 1 cwt. @ 24/- cwt.
*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
* „ Ammon. Aromat., 6 lbs. @ 10d. lb.
* „ Antim. Cblor. Pure, 8 lbs. @ 10d. lb.
* „ Arsenicalis, B.P., 7 lbs @ 4d. lb.; 1 lb. @ 7d lb.
* „ Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Bismutb, P.B., 6 lbs. @ 1/6 lb.
* „ Copaiba Buchu et Cubeb, 5 lbs. @ 2/11 lb.; 1 lb. @ 3/2 lb.
* „ Easton., p.s. 1-3, B.P., 1 lb. @ 3/5 lb.
* „ Ferri Dialysatus, 6 lbs. @ lb.
* „ Ferri Iod. p.s., 1-7, 1 lb. @ 8/- lb.
* „ Ferri Perchlor. Fort., P.B., 7 lbs. @ 6d. lb.
* „ Ferri Pbospb. Co. p.s., 1-7, 7 lbs. @ 1/7 lb.
* „ Hamamelidis, B.P., 6 lbs. @ 1/3 lb.
* „ Hypopbosph. Co., p.s., B.P.C., 1 lb. @ 3/10 lb.
* „ Iodi Fort, B.P., 5 lbs. @ 6/9 lb.
* „ Morphinæ Acet. or Hydrochlor., P.B., 6 lbs. @ 4/- lb.
* „ Opii Sed., 5 lbs. @ 5/2 lb.
* „ Plumbi Subacet., P.B., 7 lbs. @ 6d. lb.
* „ Pruni Virg. p.s. 1-7, 5 lbs. @ 2/8 lb.
* „ Rhœados pro Syr., 1 to 7, 5 lbs. @ 2/7 lb.
* „ Rbei, p.s., 1-7, 6 lbs. @ 2/3 lb.
* „ Santali Co., 1 lb. @ 4/6 lb.
* „ Sennæ Dulc. 6 lbs. @ 1/7 lb.
* „ Sennæ pro Syr. 1-7, 6 lbs. @ 3/4 lb.
* „ Strychninæ Hyd. P.B., 6 lbs. @ 1/10 lb.
* „ Tolut. pro Syr. 1-7, 6 lbs. @ 1/9 lb.
* „ Trinitrini, B.P., 1 lb. @ 6/9 lb.
Litbia Carb. P.B., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/6 lb.
„ Citras, B.P., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; pulv., 3d. lb. extra.
Lycopodium, 7 lbs. @ 6/6 lb.

Mag. Calc. Levis, 1 lb. @ 1/6 lb.
Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
Mag. Carb. Pond., 7 lbs. @ 11d. lb.
Mag. Carb. Levis., 1 cwt. @ 50/-; 7 lbs. @ 6½d. lb.
Mag. Cit. Gran, 28 lbs. @ 1/- lb.; 6 lbs. @ 1/1 lb.
Mag. Sulpb., fine druggists', B.P., 1 cwt. @ 19/6; 28 lbs. @ 2½d lb.
Manna, Flake, 14 lbs. @ 5/6 lb.; 7 lbs. @ 5/9 lb.; 1 lb. @ 6/- lb.
Menthol, dry white cryst., 60 lbs. @ 12/8 lb.; 5 lbs. @ 13/2 lb.
*Mist. Sennæ Comp., B.P., 20 lbs. @ 7 lb.; 6 lbs. @ 8½d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., ulv. B.P., 25 oz. @ 14/- oz.; 16 oz. @ 14 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz. Præcip. Bimeconate or Tart., 1 oz. @ 1 oz.
Morphinæ Diacetyl., 4 oz. @ 22/- oz.; 1 @ 22/6 oz.; Hydrochlor., 6d. per oz. le
Myrrh, Gum, Englisb Ground, 28 lbs. 1/3 lb.; 7 lbs. @ 1/5 lb.

Naphthalene, Flake, 7 lbs. @ 6½d. lb.
Nux Areca, 1 cwt. @ 55/- cwt.; 7 @ 7d. lb.; powder, English ground, 10/- cwt.; 7 lbs. @ 9½d. lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 3/1 lb
Ol. Aoethi Ang. B.P., 1 lb. @ 17 6 lb.
Ol. Anisl, E.I., 66 lbs. @ 3/6 lb.; 16½ lbs. @ /10 lb.; 4½ lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
Ol. Aurant., 12 lbs. @ 9/6 lb.; 1 lb. @ 10/ ; not guaranteed absolutely pure.
Oil of Bays, genuine W.I., 1 lb. @ 14/6 lb.
Ol. Cajnput., B.P., 21½ oz. bots. @ 4/9 lb.
Ol. Camphor. Esseot., White, 80 lbs. @ 5/- cwt.; 40 lbs. @ 90/- cwt.; Brown, 4 lbs. @ 120/- cwt.
Ol. Caryopb. Ang., B.P., 9 lbs. @ 5/8 lb.; 4 lbs. @ 6/- lb.
Ol. Cassiæ, 16 lbs. @ 4/- lb.; 6 lbs. @ 4/3
Ol. Cinoam., 1 lb. @ 32/- lb.; 1 oz. @ 2/3 o
Ol. Citroolellæ, 9 lbs. @ 2/3 lb.
Ol. Coco Nucis, fioest White, 80 lbs. @ /- cwt.; 40 lbs. @ 62/- cwt.
Ol. Eucalypt., B.P., 1 cwt. @ 2/5 lb.; 28 l @ 2/6 lb.; 9 lbs. @ 2/7½ lb.
Ol. Geraoii Gall. Opt., 1 lb. @ 28/- lb.; 8 bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; c., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Gynocardiæ, 5 ibs. @ 4/- lb.; 1 lb. @ 4 lb.
Ol. Juoiperi Ligne Exot., 9 lbs. @ 2/6 lb.
Ol. Lavand. ab Flor., 5 lbs. @ 13/6 lb.; 1 @ 14/6 lb.
Ol. Mentb. Pip. English, 5 lbs. @ 36/6 lb.; @ 37/6 lb.; Hotchkiss original bots., 2 z. each @ 15/9 lb.; 6 bots. @ 15/6 lb. 8 bots. @ 15/- lb.; American, 20 lbs. @ - lb.; 4½ lbs. @ 10/ lb.; 1 lb. @ 11/3 ; Japanese, 60 lbs. @ 4/7 lb.; 5 lbs. @ 4/9
Ol. Morrhuæ, 1915, finest non-freezing, 2 tins @ 16/6 per gall.
Ol. Myrbane, 9 lbs. @ 2/3 lb.
Ol. Myristicæ, 7 lbs. @ 4/3 lb.; 1 lb. @ 4/
Ol. Nucis Pallid. 2 gall. tins @ 6/11 gall.
Ol. Olivæ, P.B., good yellow, guaranteed 45 gall. barrels @ 5/2 gall.; 2 gall. tin 6/6 gall.
Ol. Origani Rub., Coml., 28 lbs. @ 1/11 lb.; @ 2/2 lb.
Ol. Peach Keroei (so-called), 1 cwt. @ 1/4 56 lbs @ 1/5 lb.; 9 lbs. @ 1/7 lb.
Ol. Pulegil B.P., 5 lbs. @ 6/6 lb.; 1 lb. @
Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ cwt.; 9 lbs. @ 11d. lb.; for export, 1 drums recommended.
Ol. Rosmarini, Coml., 28 lbs. @ 1/6 lb.; 9 lbs 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/5
Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 31/6 1 lb. @ 32/6 lb.
Ol. Sassafras, genuine, 28 lbs. @ 3/9 lb.; 1 lb 4/ lb.
Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ lb.; 7 lbs. @ 2/6 lb.
Ol. Wintergreen, Artificial, 5 lbs. @ 18/9 1 lb. @ 19/3 lb.
Opium Turc. B.P., 14 lbs. @ 36/6 lb; 3 lbs. 37/6 lb.; 1 lb. @ 38/6 lb.; powder, 6d. extra.

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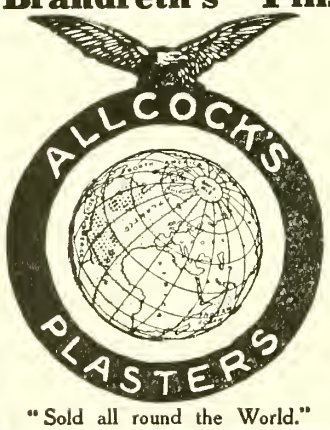

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Heavy weight	each	3	3	3	6	3	10	4	1	4	5	5	1	5	4	5	9
Light ,, ...	,,	3	2	3	4	3	8	3	10	4	2	4	8	5	0	5	3
Cockburn's shape	,,	3	3	3	6	3	10	4	2	4	7	5	1	5	4	5	9
Covers, scarlet or grey plush	,,	0	9	0	9	0	11	0	11	1	1	1	2	1	3	1	6

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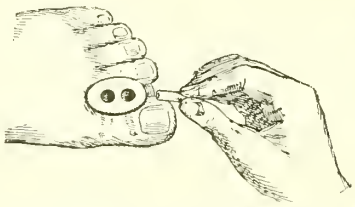

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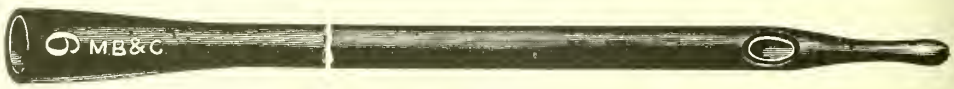

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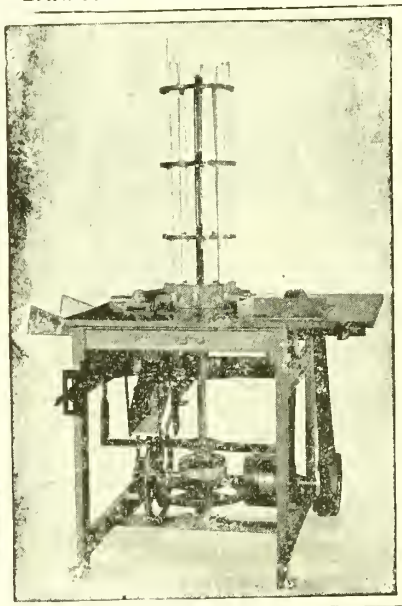

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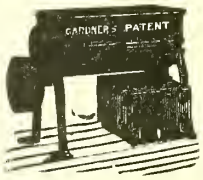

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Reliable workmanship. Popular Prices. Moderate charges for D.A., Tubes, Seamless Gold Crowns, Sections, Vulcanite, &c. and D.M.Co. Teeth and Rubber guaranteed. Punctuality observed. List free. Trial case solicited. Gold and D.A. a speciality. Special cheap rates for showcase pieces, 20 experience of first-class mechanical dentistry.
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In order to open 7,000 new a/cs, we will send first 7,000 applicants sending 8/- Postal Order 1 Gross 1d. NI-VERRE HAIR SHAMPOO, 1 Gross 2d. DESMONA HAIR SHAMPOO. Carr. paid with advertising. All you have to do is to display a few Showcards. Send now. Only Terms: Cash with order. Address:
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By Royal Warrant to H.M. The King.

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DAYS' BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

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Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

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For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

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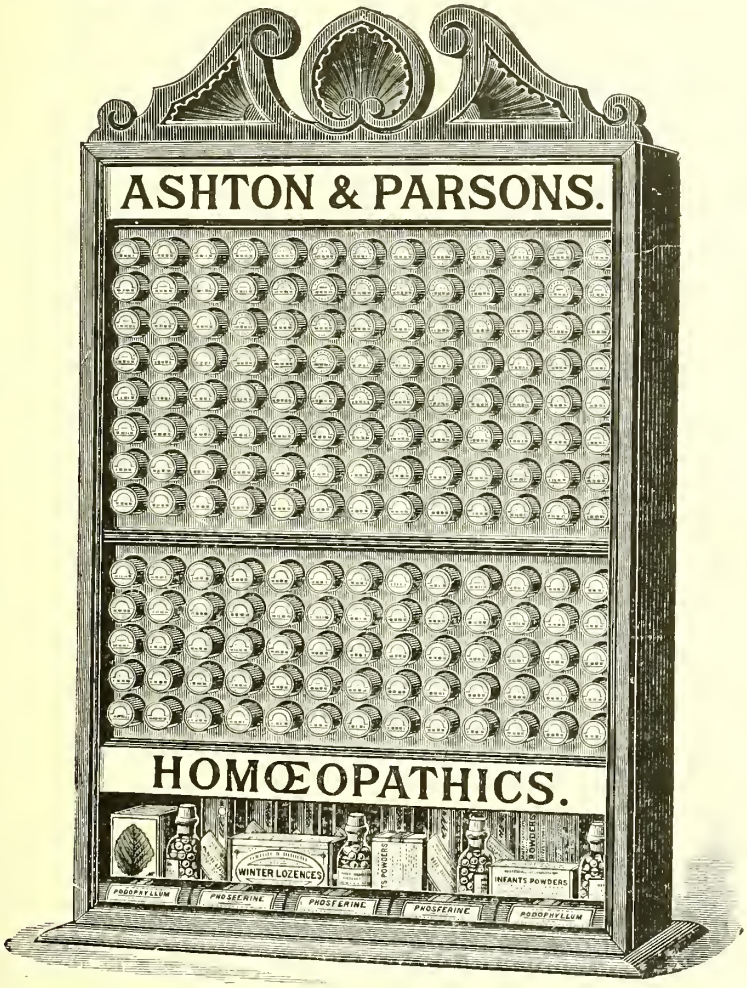

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Fig. 105

Both are put up in style shown. Square opal pots, aluminium screw caps. Labelled in gold and colours, finished off with dainty broad ribbon and bow.

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, FEBRUARY 5, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London."** (Three words counted as two.)

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THE PUBLICITY IT PAYS TO PAY FOR.

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—K SINGTON (Death Vacancy).—Lock-up Pharmacy; situa- n good, returns under management £600; scope for extension; effect speedy transfer no fair offer will be refused.

2.—K T (Suburban).—Established Business, Retail and Dis- nsing chiefly ready money; returns £900; no N.H.I.; *net profit out £*50; terms, £50 and stock and fixtures at valuation; rt pa ent entertained.

3.—H E PARK (Near).—Death vacancy; old-established Busi- ss, R il and Dispensing; returns, present rate, £900; must sold bout £300 would be accepted.

4.—K SINGTON.—High-class Dispensing and Retail Business; tablish many years, and held by vendor upwards of 40, now tiring returns £1,300; *net profit* £400 (proof given); very od re ence; further details on application.

5.—W ES (Seaport).—Established Business, Retail and Dis- nsing together with Wine Licence; returns £1,500; *profits od*; t business is capable of development; valuation terms tertai l.

6.—N TH OF ENGLAND.—Mixed Country Retail, Dispensing, d Agr ltural, with own Proprietaries in good demand; returns out £ 00, at good prices; terms, valuation and sum for good- ill to agreed.

7.—SO TH OF ENGLAND (Heath Resort).—High-class Dis- nsing usiness, situate in the main street; returns £2,500; rms, v ation of stock and fixtures.

8.—H TS (Death Vacancy).—For immediate Disposal, good- ass Re l and Dispensing Business; returns between £1,400 and £1,500 per annum, at full prices; *net profit estimated at between* £350 and £400; price £800, for which full value is offered.

9.—NORTH OF ENGLAND (Seaport).—Vendor retiring; old-established Business, *giving a net income of* £300 *per annum*; several Proprietaries are included, which have a good sale; price, to include stock and fixtures, £250.

10.—SOUTH OF ENGLAND WATERING-PLACE (Death Vacancy).—Essentially Dispensing and good-class Family Business; price £1,000; well-appointed shop, situate in close proximity to railway station; *net income over* £500 *a year*.

11.—NORTHERN COUNTY.—Ready-money Business, together with N.H.I. Dispensing; returns £1,050; *net profit* £350; rent under £20 yearly; small residence; price £650, about the value of stock and fixtures.

12.—KENT.—Good-class Family trade, with General Country Retail; old-established; returns £900 per annum; *net profit* £200; vendor estimates value of stock and fixtures at £425; price, to include everything, £500.

13.—SEASIDE TOWN (North of England).—Retail, Dispensing, and Photographic trade; returns show a steady increase, last year's turnover being about £740; *net profit one-third*; price about £380.

14.—SUSSEX (In the Heart of the Country).—Good-class Retail and Dispensing Business; returns show a steady increase, now £826, *with net profit* £300 (proof given); rent £50 on lease; comfortable residence, with private entrance, small garden; full investigation invited.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

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Telegrams, "Brett Leicester." Telephone 1934.

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STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,100 returns.—Essex.—Light Family Retail and Dispensing, with Optics; low rent on lease; price £600, or £100 goodwill and stock and fixtures at valuation.

£500 to £600 returns.—London suburb.—Good-class Retail in delightful suburban district; now doing £12 per week, and capable of considerable increase; well-fitted double-fronted shop and nice house; valuation about £350.

£450 returns.—Near Manchester.—Light middle-class Retail; good opening for Optics; valuation about £250; can reduce stock.

£1,100 returns.—Yorks.—Fine position of town of 50,000; plenty of scope for smart man; valuation £500 to £600, or would accept Partner to take whole charge.

£1,000 returns.—Lancashire.—General Retail at good profits; valuation about £400.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

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Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria 87.

Valuer to Association of Manufacturing Chemists, has Businesses for Disposal on East, South, and West Coasts, besides numerous others in various parts of the country.

Several Pharmacists are disposing of very desirable businesses that they may be able to join the Forces abroad. Purchasers are requested to send particulars of their requirements and the amount of capital they are willing to invest. No charge whatever to purchasers.

P. C. B. makes a speciality of examinations and reports on businesses on behalf of purchasers and arranges the transfer on very moderate terms.

Valuations for Sale, Probate, or Account are promptly attended to and personally conducted, whether in town or country. All communications are strictly confidential, and correspondence is invited.

Purchasers are strongly advised not to purchase any business which is not allowed to be investigated by an experienced expert.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, inserted in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—EASTERN COUNTY.—Good-class Cash Retail, with Wines and Spirits; returning between £3,500 and £4,000, with plenty of scope for further extension; splendid position; very heavily stocked; illness sole cause of selling; price required £2,000; strongly recommended.

2.—KENT.—Unopposed good-class Country Retail, delightfully situated; returns about £1,000; books properly kept; nice house and garden; well-stocked shop; price £500; good introduction.

3.—WILTS.—Old-established General Country Retail; unopposed; returns £1,200; net profit £300; large house and garden; low rent; heavily stocked; price £700.

4.—CARDIFF.—Good middle-class Cash Retail; main-road position; returns £1,400; net profit about £375; good house and pharmacy; price £800, or valuation; trial allowed.

5.—MIDDLESEX.—Good-class Retail and Dispensing; pleasantly situated; returns over £1,500; net profit £400; handsome modern pharmacy, well stocked; price about £900.

6.—DEVON.—Genuine unopposed small Village Business; plenty of scope for increase; net profit £152; large house and garden; modern-fronted pharmacy; price £175; suit unqualified.

7.—LONDON, S.E.—Good-class Suburban Retail; returns £1,450; good profits; books well kept; excellent premises, well stocked; price £850, or valuation terms.

8.—NORTH LONDON.—Brisk Cash Retail; returning £1,036; net profit £350; modern pharmacy; no immediate opposition; well stocked; price £500.

9.—LONDON, S.W. (Few Miles Out).—Good middle-class Business, entirely under manager; returns over £700; plenty of scope; good position; well stocked; price £275.

STOCKTAKING v. INCOME TAX.

Every chemist should make a point of reading page 135 in *C. & D. Diary*, which deals with the above matter, and then write for our special pamphlet and low terms.

Forty-five years' practical experience.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BIRMINGHAM.—Cash Retail Drug and Drysaltery Business for Sale; established 21 years (present owner 2½ years); vendor estimates stock, roughly, between £600 and £700; fittings and fixtures, and goodwill £120. 205/38, Office of this Paper.

BLACKBURN.—Old-established, compact, well-fitted, and representatively stocked Pharmacy in the heart of thickly populated industrial district; exceptional N.H.I. connection; low rent; long lease; valuation of stock and fixtures only required, about £300, part of which may remain; unique opportunity for small capital. Hacking, Pharmaceutical Chemist, 210 Eskrick St., Bolton.

BLACKPOOL.—Exceptional opportunity for acquiring a stylish Business occupying a prominent position in the best locality; handsomely fitted and well stocked; turnover increasing every year; capable of considerable development; low rent; price required considerably below valuation. Apply, 202/15, Office of this Paper.

BRADFORD.—Old-established Light Retail Drug Business for Disposal at once; main thoroughfare, near Town Hall; reason, age; good opening for Panel. Particulars from "S. 1," 113 Bridge Street, Bradford.

LISCARD, Cheshire.—Owing to decease of proprietor, first-class Dispensing Business for Sale; splendid corner shop and house; excellent locality; rent £50. Apply, Langton & MacConnell, 22 Lord Street, Liverpool.

LNDON Suburb.—For immediate Disposal, old-established £5 Business on main road; lease 21 years, 16 to run; rent £120, £1 let off; comfortable house, private entrance; insured for fix 0 against all war risk; price £450; valuation of stock and low es £600; temporary decrease in returns owing to war, hence to rice asked. Can be viewed by appointment after applying Ebor" (204/35), Office of this Paper.

LNDON (Near).—Retail and Dispending; same hands several hou ears; returns about £17 weekly; good profits; convenient inc ; moderate rental; a good going concern with scope for ent se; opening for Dentistry and Optics; cash purchasers only ained. 204/11, Office of this Paper.

LNDON, S.W.—Lock-up Shop; doing good, could do double; any o N.I. (refused); every convenience; only wants seeing; Offi e with £60 (less than value of stock) can have it. 207/26, of this Paper.

MDLESEX (Within Easy Distance of West End).—Cash Retail, att increasing Business; present rate returns £600; no Panel; val tive shop, fully stocked; all open to inspection; good house; this ion stock and fixtures. "Batchelor" (207/8), Office of aper.

NDEVON.—Genuine unopposed Seaside Business; net profit kep under unqualified, 1915, £151 18s. 7d., record of all sales tun every investigation courted; great scope for increase; oppor- gar for N.H.I. and Doctors' scripts; large, modern house and ; inclusive rent £30; good reason for sale; price £150; par ould remain. 204/5, Office of this Paper.

S. COAST.—For immediate Disposal, through ill-health, in Dis . a busy seaside town, a very old-established Retail and pris sing Business, capable of considerable increase to enter- App g man; price £400; a bargain; full particulars given. 202/34, Office of this Paper.

STH COAST.—For immediate Disposal, owing to death of mod roprietor, a high-class Retail and Dispensing Business; tion a fixtures; a very spacious and attractive shop; good posi- Pap every investigation invited. Apply, 202/21, Office of this

CNTRY Business for Sale, owing to ill-health of elderly and roprietor; good scope for Veterinary, Photographic, Optics, last entistry; unopposed for radius of 5 miles; returns £165 ener ar; profits good; principally Prescribing; very few Patents; and tic man could make good living; would accept offer of stock xtures at valuation. E. Poulson, Lyminge, S.O., Kent.

EBLOC.—North-West.—Handsome fully equipped Pharmacy; met e position; run as small high-class trade on antiquated no ls by aged proprietor; vast Government works just opening; good cialities, Optics, Photo, or N.H.I.; simply wants hustling; house; incoming low, balance instalments. "Progress" (207), Office of this Paper.

FC Sale, old-established Business; lease; goodwill; trade-mark; Add ell-known Proprietary Articles; death cause of sale. s, "A.," 9 Baden Road, Hornsey, N.

GUINE opportunity; established 30 years; flourishing Busi- tary ess; good opportunity for private Dispensing and Proprie- man edicines; over £1,000 turnover; easily doubled by capable win Photographic specialist; long lease; well-fitted shop; good 205 s; satisfactory reasons for giving up to genuine inquirer. 2, Office of this Paper.

GD opening for qualified Chemist; owing to death of pro- pric rietor; established 30 years in good neighbourhood; rent and very low. Apply for particulars, Battle, Son & Maltby, Lin n.

O -ESTABLISHED Business in prosperous country town, is East Midlands; neglected; returns low, but has done and exc pable of doing good turnover with personal attention; fitte ional opening for Dentistry; large roomy shop, well gar recently remodelled; 6-roomed house, warehouses, and nea ; rent £35 (covered by appointment); price £300 or ffer. 206/2, Office of this Paper.

£50.—SURREY Village Business; valuation over £200; ex- for cellent premises; exceptionally low expenses. Apply rticulars to 204/20, Office of this Paper.

APPRENTICESHIPS.

APRENTICE.—Wanted to learn Dispensing, well-educated pref oung lady, age 18; tall; in high-class Dispensing business, ably where there is another lady or Chemist's daughter lear g the business; indoors; state terms. Apply, 198/28, Offic of this Paper.

FOR SALE.

SMALL Cash Register for Sale; keys to £1; must sell at once; low price for quick sale. "C. H.," 118 Rotherfield Street, Essex Road, N.

STOCK and Fixtures of a high-class West-End Pharmacy for Sale at low price for immediate cash; genuine buyers should apply personally and at once to Duckett & Co., Ltd., 92 Jermyn Street, S.W.

6 LB. Ac. Tart., xtal., parv., 13s.; 4 oz. Resorcin, 20s.; 6 oz. Bism. Salicyl., 9s.; 3½ oz. Sod. Benz., nat., 4s. 6d.; 2 oz. Salol, 8s. 6d.; 6 oz. Menthol, 6s. 6d.; 2 oz. Bromoform, 3s.; 2 oz. Ac. Lactic, 2s.; 3 oz. Amm. Benz., 4s.; 3 oz. Guaiacol, Pur., 8s.; ½ lb. Chloral Hydras, 8s. 6d.; 3 oz. Chinosol, 6s.; ¾ oz. Dermatol, 1s. 3d.; 2 oz. Strontii Bromid., 3s.; 2 oz. Guaiacol Carb., 11s.; 2 lb. Creosotum, Pur., 19s.; ¾ oz. Salipyrin, 2s. 6d.; 1 oz. Thiocin. Sod. Acetas, 12s.; 2 lb. P. Gallæ, 4s. Melling, Chemist, Conway.

AGENCIES.

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AGENCIES Wanted.—A firm of General Importers, Indentors, and Manufacturing Agents have opening for Agencies of all kinds; splendid situation Melbourne business centre; fine, naturally lighted showrooms and large windows; reference, Commonwealth Bank of Australia. E. Duncan & Co., Strand Buildings, 152 Elizabeth Street, Melbourne.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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RETAIL.

ABERGAVENNY.—Assistant required at once for good-class Country Retail; indoors; comfortable home; easy hours; no Sunday duty. Apply, giving full particulars, salary required, and enclose photo, to Harry Shackleton, Chemist, Abergavenny.

ALDERSHOT.—An unqualified Assistant. State particulars, with salary (outdoors), to Williams & Litchfield, Pharmacists.

BEDFORD.—Reliable qualified Manager wanted for Branch; outdoors; hours 8.30 to 8, Saturdays 10, Thursdays 1 o'clock. Please send full particulars first letter, E. Murray Carruthers, Chemist, 31 St. John's Street, Bedford.

BRIGHTON.—Capable Assistant, qualified preferred, but not absolutely essential, for good-class Retail and Dispensing business; one ineligible for military service preferred. Parris & Greening, 16 Western Road.

CHELMSFORD.—An Assistant required for two or three months for good-class Retail and Dispensing business; short hours and no Sunday duty; not on Panel; also a Junior or Improver. Please give full particulars, stating age, height, experience, references, and salary required (outdoors), E. Bunn, Chemist, The Central Pharmacy, Chelmsford.

CLIFTON, Bristol.—Qualified Dispenser; indoors; close 7.30, Wednesdays 1 o'clock; no evening duty. Apply, stating age, experience, and salary required, to Giles, Schacht & Co.

COVENTRY.—Junior Assistant wanted. State age, experience, salary required (outdoors), and when disengaged, Bird, Chemist, Spon Street, Coventry.

FAVERSHAM.—Wanted at once, unqualified Assistant or Junior; unfit for military service; no Sunday duty. State age, experience, and salary required (outdoors), enclose photo, to Thomas, Chemist, Faversham.

HUDDERSFIELD Industrial Society, Ltd.—Wanted, smart Counter Assistant for Drug department. Give full particulars, first letter, Buxton Road, Huddersfield.

LIVERPOOL District.—Assistant for good-class Dispensing business; half-holiday and alternate Sundays. Usual particulars to M. & R., 127a St. John's Road, Waterloo, Liverpool.

LIVERPOOL.—Qualified Assistant wanted, non-eligible for military service; short hours; outdoors; state salary required. Apply, "Statim" (205/16), Office of this Paper.

LLANELLY.—Wanted at once, an Assistant (not eligible for military service), or lady Assistant. Please state age, experience, etc., to John Gower, Chemist, Vaughan Street, Llanelly, South Wales.

LONDON.—Junior Assistant, ineligible for Army, or lady with Dispensing experience; outdoors. Apply, stating particulars as to age, experience, and salary required, Greenish & Co., 20 New Street, Dorset Square, N.W.

LONDON.—Unqualified Assistant wanted; reasonable hours; experienced Junior would suit. Apply, stating salary, etc., to Tomlinson's Drug Stores, Ltd., 192 High Street, Homerton, N.E.

LONDON, N.—Assistant (unqualified) wanted for Counter and N.H.I. Dispensing; comfortable berth; outdoors; also lady Dispenser, with Counter experience if possible. Apply, stating age, height, experience, and salary required, to Dow Brothers, 44 Seven Sisters Road, Holloway, N.

LONDON, W.—Qualified Assistant for Dispensing Counter required immediately; ineligible for military service. Apply, giving full particulars of experience, age, etc., to Roberts & Co., 76 New Bond Street, W.

LONDON, W.C.—Lady Assistant (qualified) for brisk N.H.I. and medium-class Retail; must be quick and accurate. Kindly state age, particulars of previous experience, and salary required (outdoors), Waterhouse, Chemist, 18 Exmouth Street, Clerkenwell, W.C. 'Phone, Central 3607.

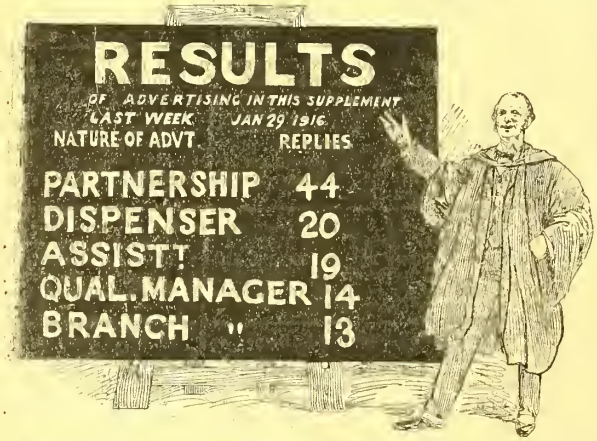
LOWESTOFT.—A reliable Junior wanted for Light Retail and Dispensing; indoors; comfortable home; good references necessary. Apply, stating salary, age, and other particulars, to Sale & Nurse, Pharmaceutical Chemists, Lowestoft

MANCHESTER.—Assistant for good-class Retail and Dispensing business; ineligible for Army. Full particulars to J. S. Breese, Pharmaceutical Chemist, Rusholme, Manchester.

MANCHESTER.—Elderly qualified Assistant required, mostly for N.H.I. Dispensing; comfortable permanency; easy hours. State when at liberty and salary required, 205/331, Office of this Paper.

MIDLANDS.—Comfortable and lucrative permanency for first-class unqualified Assistant; must be a good Dispenser and Counterman. "W. L." (205/330), Office of this Paper.

NORTH-EAST COAST.—Taylors' Drug Co., Ltd., have a vacancy for Chemist in that district; good prospects for suitable man. Write, with particulars, to Mr. England, Starbeck Hall, Harrogate.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

NORTH YORKSHIRE.—Wanted, qualified man t of a good-class Country business; essential t should have excellent references and be quite free service. 202/38, Office of this Paper.

READING.—Wanted, Assistant, qualified preferre and obliging, for good-class Dispensing and Ligh be well recommended. State full particulars, with s to J. C. Rowell, 3 Duke Street, Reading.

RICHMOND.—Competent Assistant for good-cla business; in- or out-doors; two kept. Apply Richmond Hill, Surrey.

SHREWSBURY.—Junior Assistant or an Improve out-doors, for a good-class Dispensing business kept; easy hours. W. Adams, Pharmaceutical Ch bury.

SOUTH KENSINGTON.—Tupholme & Son, 1 Cole Earl's Court, require an Assistant; board-and l Apply personally, or enclose photo.

SOUTH OF ENGLAND.—Assistant required; exp manency, with good salary. Timothy Whi Chemists, Portsmouth.

SOUTH WALES.—Qualified Manager wanted f Branch; good salary and commission offered to energetic man. "Wales" (205/332), Office of thi

STAFFORDSHIRE.—Qualified Chemist to Manag Cash business; little Insurance Dispensing; o Sunday or night duty. State experience, age, and s 205/28, Office of this Paper.

TYNESIDE.—An unqualified Assistant, ineligibl brisk Retail and Insurance Dispensing. Stat experience, 204/15, Office of this Paper.

W. NORFOLK.—Qualified Manager wanted; in middle-class business; some N.H.I.; referei good; comfortable berth; a knowledge of Optics desi giving full particulars, age, salary required, to (202/17), Office of this Paper.

WISBECH.—Good all-round Assistant (outdoors) to good country Retail and Dispensing busine no Sunday or night duty; Wednesdays 1 o'clock, 8 p.m., Saturdays 10 o'clock p.m.; references. A age, height, salary, etc., to Wm. Boor, 1 High Stre

YORKSHIRE.—A smart Assistant wanted immedi manency; married preferred, to live on premi tion not essential if capable; must have satisfacto Apply, with full particulars, age, and salary require Bedale.

AN active man as Assistant in Mixed business experience, and salary required, R. Needh Stalybridge.

AN experienced Assistant wanted; also a good knowledge of Dispensing. Apply, with full par age, references, experience, and salary required (in in each instance, "Chemist," 300 Amhurst Road, S ton, London, N.

ASSISTANT wanted, lady or gentleman, for good-c outdoors. Please state usual particulars of expe required, etc., Davies, Pharmacist, 567 Finchley R N.W.

ASSISTANT with good experience required (indoo to 40 years. State age, height, salary required, employers, enclosing photo, to "Calomel," c/o Me Sons, 11 Aldersgate Street, E.C.

ASSISTANT for good-class Retail and Dispensing of Photography essential; outdoors. S. Edwar cist, Godalming.

CAPABLE unqualified Assistant for Light Retail ing; outdoors; man desiring permanency prefer stating age, experience, salary, references, and when to Bramleys, 87 Holyhead Road, Handsworth, Birm

CLERK (lady) wanted; must write well. Appl W. G. Jameson, Curtis & Co., 48 Baker Stre Square, W.

COMPETENT Assistant required; lady or gentlema Apply, Lewis & Burrows, Ltd., 146 Holborn Bar

DISPENSER required; accustomed to good-clas outdoors; short hours; no Sunday duties. State salary required, to the Secretary, Palmeira House, I

EVENING work for qualified man; London. Appl (207/36), Office of this Paper.

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IMINGTON & SON, LTD., 9 Bridge Street, Bradford, an Assistant for high-class Retail and Dispensing; rman. State experienceo, references, age, and salary tdoors).

ELY.—Experienced Dispenser and Surgery Assistant, le, for large colliery practice; abstainer. Full par- h references and photo, to Dr. Roberts, Cwmfelin-

r Improver wanted for good-class Retail and Dis- business. W. Pickard, 3 West Kensington Terrace, W.

spenser and Bookkeeper wanted; must be ineligible itary service; to live out. Photo and particulars as training, and experience, to Dr. Gregson, Lower t, Blackburn.

TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, a capable Pharmacist as Manager; easy hours; good ve salary, with excellent prospects.

Waters.—Wanted, by a firm of Chemists in the Mid- man who has had experience in the Mineral Water trade and the Chemist's business generally. State ence, etc., to "Midland" (206/4), Office of this

Y Waldorf, Aldwych, W.C., require the services of a nager and capable Assistant.

nd to assist with Stock; handy man wanted. State ge, experience, and references, to Bishops, 460 Hollo- ondon, N.

D Junior (lady or gentleman) for Pharmacy in South alth resort; easy hours; gentleman ineligible for ice preferred. Apply, giving full particulars, age, d (outdoors), etc., to "L." (202/9), Office of this

D Manager, about 30; house accommodation for man; also capable Junior (military ineligible), t 23, required for good-class Retail and Dispensing ress usual particulars, enclosing photo if convenient, ff, Pharmacist, Hazel Grove, Cheshire.

man for Branch; Assistants kept; must have rences. For details apply at once, stating salary riffiths, Chemist, Droylsden, Manchester.

Chemist required for Dispensing duties; quick and ineligible for Army; permanency. State age, lary required, and fullest particulars of experience, unior Army and Navy Stores, Ltd., Aldershot.

ssistant (unqualified), ineligible, wanted; Photo- Agricultural, and General; 8.30 till 8 p.m., .m.; no Sunday duty. Give full particulars, wages, photo, W. Finlayson, 141 High Street, Stockton-

sistant qualified; outdoors; in large good-class where several others kept; must have good know- graphy, and be smart at Counter; hours 8.45 to 8, ly, alternate Sunday duty one hour; liberal salary n; applications from smart unqualified man with perience entertained. Apply, J. F. Collin, Pharma- ist, The Walk, Norwich.

& CAPPER, LTD., Liverpool and Branches, have ancies for unqualified Assistants who are ineligible Send full particulars and photograph, if possible, ngs, College Lane, Liverpool.

ED Assistant required at once; must be sober, good willing, and used to a quick Cash trade; moderate ood salary to suitable applicant. Apply personally oto), Morton's Cash Chemists, Ltd., 199 Portobello Hill, W.

a young lady for a Chemist's shop in South Wales who can help a little with Dispensing and 18, Office of this Paper.

n a small country business near London, a young ssist in the Retail and Dispensing; short hours; rite with full particulars, stating previous experi- uired, to "E. M." (204/7), Office of this Paper.

t once, in healthy London suburb, lady Assistant ensing and Counter experience; Hall qualification l particulars to 205/19, Office of this Paper.

for a good-class Dispensing, Retail, and Photo- business, a competent Assistant. Apply, giving experience, and state salary required, to T. J. 9 Royal Parade, Golder's Green, N.W.

mmediately, qualified Manager (ineligible); com- osition; no Sunday duty; country. Apply, 205/39, Paper.

WANTED, Assistant, ineligible for military service; outdoors. Please give full particulars, age, experience, and salary required to J. Robinson, 22 Cross Cheaping, Coventry.

WELL-EDUCATED youth required for Export Office in City; no previous office experience necessary, but must have some knowledge of the Drug trade; commencing salary 25s. Address, Box "C. D.," c/o Dawson's, 121 Cannon Street, E.C.

£3 5s.—Qualified Manager required for Branch in a working-class district; liberal agreement offered to a willing worker anxious to do well. 205/33, Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A PROGRESSIVE London firm of Manufacturing Chemists require the services of a young, smart, businesslike Chemist as Correspondent; must be capable of taking charge of office staff; the position is one with prospects to the right man; Minor qualification or previous experience in Wholesale not essential, but applicants must not be eligible for Army service. Apply, stating age, experience, and salary required, to 120/49, Office of this Paper.

A VACANCY occurs in the Buying Department of a large Wholesale City house for a Clerk; must have a good knowledge of the Drug trade. Write, with full particulars, to "H." (120/69), Office of this Paper.

ANALYTICAL Junior Assistant wanted for Wholesale Manufacturing Chemists in provinces. Apply, with full particulars, age, training, salary required, to "Analyst" (118/50), Office of this Paper.

CLERK wanted by Wholesale Export Druggists, London, for Shipping and Invoicing work; good salary. Write, stating age and salary required and if accustomed to shipping to South America, to 120/10, Office of this Paper.

COUNTER Hand required at once for Drys and Chemicals. Apply, "W. M. C.," Burgoyne, Burbidges & Co., East Ham, E.

COUNTER Hands required at once for Drys and Chemicals; good wages. Apply "Wm. C.," Burgoyne Burbidges & Co., East Ham, E.

DRUGGISTS' Sundries.—Assistant required, with knowledge of Sundries and Instruments, for Wholesale City Warehouse. Dakin Bros., Ltd., 82 Middlesex Street, Bishopsgate, E.C.

FOR a Scottish Wholesale house, two Assistants wanted at once; with some experience preferred; good prospects to suitable men. 120/50, Office of this Paper.

JUNIOR Typist required for Office of City Wholesale Druggists'. Apply, giving full particulars and salary required, to 121/1, Office of this Paper.

LABORATORY.—Old-established London house requires a man with experience in the Manufacture of Granular Effervescents. Write particulars of previous employment and wages expected to 207/19, Office of this Paper. Strong youth, about 16, also required. Apply as above.

MAN wanted at once for Checking Orders; Patent, Sundries, and Drugs; good wages to reliable man; permanent; ineligible for military service. 203/32, Office of this Paper.

MANAGER for provincial Tablet department; North of London. Apply, 118/5, Office of this Paper.

MANUFACTURING Chemist wanted by old-established firm of Essence Distillers; preference given to man with experience in similar position. Reply, stating age, salary expected, experience, and references, which will be treated in strict confidence. Address, 199/40, Office of this Paper.

WANTED, Chemical and Drug Salesman; must be able to handle Correspondence. Address, "Drugs" (114/70), Office of this Paper.

WANTED, young Assistant (not eligible for the Army) for Messenger Counter; must be accurate at figures and write a neat hand. Apply, stating former experience and wages required, to R. J. Reuter, 69 Carter Lane, E.C.

WELL-EDUCATED youth required for Export Office in City; no previous office experience necessary, but must have some knowledge of the Drug trade; commencing salary 25s. Address, Box "C. D.," c/o Dawson's, 121 Cannon Street, E.C.

WET Cellarman required at once by Wholesale firm. State age, experience, and wages to 203/31, Office of this Paper.

WET-ROOM Hand wanted. Ayrton, Saunders & Co., Ltd., Liverpool.

WET Counter.—Experienced man wanted; good wages and permanency. Apply, "C. S." (205/8), Office of this Paper.

WET-FLOOR Assistant required at once. Apply, giving full particulars and wages required, to 121/100, Office of this Paper.

WHOLESALE London Export house require a second Warehouseman with good knowledge of Packing, Despatch, and Bond work. Apply, stating age, previous experience, and salary required, to "Export" (120/63), Office of this Paper.

YOUNG man wanted to assist in Manufacturing in Pharmaceutical Laboratory. State age, experience, references, and salary required (outdoors), F. M. Rimmington & Son, Ltd., 9 Bridge Street, Bradford.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

JERSEY.—Improver or Junior; hours 8 to 8, Thursdays 5 o'clock, Saturdays 10; no Sunday or Bank Holiday duties. Please state salary required (outdoors), reference, and usual particulars to Renouf's, Ltd., Pharmacists, 18½ & 20 Burrard Street, St. Helier, Jersey.

WANTED by Paris firm, man experienced in Granulating and Tablet making, and with some knowledge of Coating; must be non-liable for military service. Apply, stating full particulars, to 203/33, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

ADVERTISER, with 30 years' wide experience, unregistered, but qualified in every other respect, is desirous of a change; N.H.I. qualification; Photography, Prescribing, and General Retail, or Drug Store management; excellent references. Smith, 12 Drayton Road, Kingsheath, Birmingham.

AGE 30; tall and of good address; first-class Dispenser; quick and accurate; has managed West London business entirely single-handed; for 3 years Laboratory Manager of highly established Pharmaceutical house; much used to Doctors; acquainted with Vaccines, Sera, etc.; unqualified. 207/27, Office of this Paper.

ASSISTANT (21), tall, desires situation; North-Eastern Counties; varied experience; ineligible Army. 201/12, Office of this Paper.

ASSISTANT; 23; good Dispensing experience, N.H.I., Counter, Photographic, etc.; reliable references. "Jothion" (201/14), Office of this Paper.

ASSISTANT; highly experienced; tall; gentlemanly appearance; 43. Gilbert, 24 Notson Road, South Norwood.

ASSISTANT, Manager, or Locum; disengaged February 5. "Alpha," Norfolk House, Shanklin, I.O.W.

ASSISTANT; at liberty; Lancs or Yorks preferred but not essential; good experience; 23; unqualified; married. 3 Cotswold Terrace, The Cliff, Broughton, Manchester.

ASSISTANT or Manager; 44; unqualified; active; 20 years' first-class experience; good Salesman; disengaged. "Statim," Prestatyn, Anglesia Road, St. Mary Cray, Kent.

ASSISTANT; 28; unqualified; good experience ineligible. "Resinol," 76 Greenwood Road don, N.E.

ASSISTANT; unqualified; 33; married; Dispen Innes, 106 Dorchester Road, Weymouth.

ASSISTANT; unqualified; ineligible; tall; 21 Counter experience. 207/11, Office of this Pa

BRANCH Manager or Assistant; unqualified; ma Prescriber; highest references. "Statim" (of this Paper.

DISPENSER; unqualified; 27; evenings; inelig N.H.I. experience; married; energetic. "Veri Office of this Paper.

DISPENSING; evenings; qualified; Hospital exp stead, Golder's Green, or N.W. London; D Miss Gayton, 22 Wycombe Gardens, Golder's Gree

DISPENSER (aged) to Doctor; country or tow abstainer; widower; good references. Pleas full or part time. 208/5, Office of this Paper.

EVENING work required; qualified; W. or S. N.H.I. or otherwise. Penberthy, 22 Ronsdale S.W.

EXPERIENCED Window-dresser requires situati or permanent; seaside resort preferred; non getic; married; good appearance and address; age Particulars, 202/28, Office of this Paper.

EXPERIENCED Assistant requires Part-time or two half-days weekly. "Dispenser" (of this Paper.

GOOD Dispensing experience desired by young lad who has had two years' experience at school knowledge of Typewriting. "V. C.," 31 Uverdale S.W.

LADY Dispenser (unqualified) would like post North London preferred. "B. W.," 34 Rector Newington.

LADY Dispenser; Hall certificate; experience shortly. 203/24, Office of this Paper.

LADY Dispenser wishes post to Doctor or Institu experience; Hall certificate. Reply, Miss D Manor, Denmark Hill.

LADY Dispenser (qualified) desires post (Doc S.E. district. Miss Harris, "Lethendy," Ha Catford.

LADY Dispenser (unqualified) requires post with Hospital; London or Bournemouth; good referen 4 Sellon's Avenue, Harlesden, N.W.

LADY Dispenser requires post with a Doctor or i must be in London. Miss Belcher, Bedford Hous Portman Square, W.

LIVERPOOL or Suburbs.—Berth required; unqualif experience; Counter, Window, and Dispensi disengaged in one month. 202/25, Office of this

LOCUM or permanent; qualified; age 43; all-rou Dispensing, Prescribing, Photographic, etc. February 7. "R.," 1 Belmont Street, Southport.

LOCUM or temporary; qualified; experienced. Br andra Road, Wrexham.

LOCUM or otherwise; qualified; elderly; ineligible service; disengaged. Key, Fernlea, Monmouth.

LOCUM, temporary; 42; Counter, Dispensing, unqualified. Howes, 15 Hexthorpe Road, Donca

LOCUM; qualified; days, weeks; abstainer; experi macist," c/o Bradburn, 18 Queenhithe, E.C.

LOCUM or Manager in country district; qualif excellent references; 35 years' first-class exp getic; booking forward. Dewey, 3 Helena Avenue,

LOCUM or temporary Assistant; unqualified; 2 Cohen, 83 Spencer Place, Leeds.

MANAGER; 48; qualified; long experience; outdoors or on premises; disengaged. App (202/11), Office of this Paper.

qualified) requires position; present berth 3 years, ones 9, 7, and 5 years, all with excellent refer- r military age; married. G. E. Rose, M.P.S., t, Hackney, London, N.E.

(qualified), West End or City, wishes to improve on; highly capable and energetic. 206/9, Office

or Locum; thoroughly experienced; London and "Qualified," 87 Trinity Road, Southall, W.

r Senior; qualified; married; 37; quick, accurate ; good-class town and country experience; free ences. "Rheum" (204/2), Office of this Paper.

36), married, abstainer, qualified, requires situa- e South; large experience in all branches. State r view to succession, 204/18, Office of this Paper.

disengaged, and not eligible for military service), s open for good engagement; first-class Prescriber, able to control staff; big experience; highest ly fully to "Alpha," 372 Harrow Road, W.

Assistant or Senior; unqualified; 40; married; Dispensing, Opties, Photographie; experienced , Office of this Paper.

BELL, 19 Burnaby Street, Splott, Cardiff, is at accept engagement; Cardiff district preferred; fied; excellent references given; good Dispensing wledge of Photography; good all-round business ondon and Provinces; can take charge if neces- nmunicate to above address.

lady Dispenser; experienced; 12 to 6; Book- 14 Kitchener Road, Forest Gate.

Dispensing required in Brighton. Write, "S.," r Road, Brighton.

qualified; 39; evenings, half-days, or few whole y. 207/30, Office of this Paper.

, elderly, active, desires employment; Management nt; excellent references; easy hours; in- or out- country. Walford, 3 Sedgley Road, Bournemouth.

(25) requires permanency; high-class experience; and mechanical Dentistry if necessary. 198/25, aper.

(29), three and a half years' present berth, nge as Branch Manager; permanency; ineligible. 0), Office of this Paper.

(27), with good General experience, desires posi- nager (rejected for Army). "Pharmacist," Bold- Road N., Huddersfield.

elderly; ineligible; London stores or South Coast; ; good references; disengaged shortly. "Delta," e, E.

(25), single, abstainer, desires engagement. Par- omerantz, 36 Brick Lane, London.

Chemist (married) wants Managership country mmediately; experienced; Agricultural and Veteri- eferences. "Pharmacist," 61 Lansdowne Road,

above military age, single, wide experience, a speciality, would work up neglected business erest productive of mutual benefit. "Chemicus," rdens, Hampstead Road, London, N.W.

as Manager; elderly gentleman; wide experience; tworthy; good reference. Terms and full details Avenue Road, Wallington, Surrey.

Locum or permanency; in London; 48; steady, good general experience. "M.," 27 Cathles ill, S.W.

31; London and South Coast experience. 208/1, is Paper.

anagership of Mixed business; Branch preferred; vest small capital; honest; practically abstainer; s low; 37; married; unregistered; real oppor- salary not first consideration. "Chance" of this Paper.

N district preferred; lady; Hall qualification; harmacy, and N.H.I. experience. Hall, "Wern-y- ry Avenue, Southampton.

TWO or three evenings; all-round experience; quick Dispenser; N.I. or Doctor's. "Normanhurst," Heston Road, Hounslow.

UNQUALIFIED; London; whole or part; ineligible; Store; Photography; moderate salary. "G." (196/3), Office of this Paper.

UNQUALIFIED; Senior Dispenser, Window-dresser; all-round experience; will Travel; Yorkshire preferred; unfit for Army; wants change. "T." (205/36), Office of this Paper.

UNQUALIFIED; married; 34; permanency; ineligible; 18 years' all-round experience, Dispensing, Counter, Photographic; highest references. 205/15, Office of this Paper.

UNREGISTERED; Senior or Branch Manager; 44; good Counterman, Prescriber, and Dispenser; Photography; energetic, competent, married; permanency. "Rhei," 27 Kingston Road, Babbacombe, Devon.

YOUNG Chemist (26), ineligible, 10 years' first-class experience in Galenicals, Chemicals, and General Laboratory, unqualified, capable supervisor, desires permanency. 206/12, Office of this Paper.

YOUNG lady desires post as Assistant to Dispenser; in or near Brighton; good worker; small salary; some experience. 204/1, Office of this Paper.

WHOLESALE.

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DISPENSER or Counterman; high-class experience; 43. "Gilbert," 24 Notson Road, South Norwood.

NORTH-EASTERN Counties.—Qualified gentleman, covering this ground, desires additional Agency for well-known house; part expenses and commission. 204/23, Office of this Paper.

PHARMACEUTICAL, Toilet Preparations, Perfumery, and Chemicals; thoroughly practical man (27), ineligible, unqualified, 11 years' experience, desires permanency; London preferred. 206/120, Office of this Paper.

PHARMACIST, with best London, provincial, foreign Retail references, fluent French, desires opening, with good prospects, with first-class Wholesale firm. Apply, "Energy" (202/36), Office of this Paper.

REPRESENTATIVE; London and 50 miles radius; exceptionally well known to the trade; 12 years' real selling experience on this ground; specialities, Sundries, Perfumery, and Drugs; good record; first-class references; shortly disengaged. Apply, 208/3, Office of this Paper.

REQUIRED by town Traveller (ineligible), well known to Chemists, etc., Agency for a known Proprietary line, to work in conjunction with present house (Soaps and Perfumes); good business is assured for a good article. Reply, "G. E. T." (207/6), Office of this Paper.

SWISS Engineer-Chemist (Doctor of Science), with long experience in the industrial Manufacture of fine Chemical Products (Pharmaceutical Products and Synthetic Perfumes), seeks post as Chief Chemist in works already existing or about to be formed, or as Consulting Chemist. Reply to 190/8, Office of this Paper.

TRAVELLER, now disengaged, desires appointment; seven years' connection West of England; also worked Midlands and North; qualified Chemist; excellent experience; good Salesman. 206/7, Office of this Paper.

WOMAN (young) seeks employment; thoroughly experienced in packing stock, Drugs, Perfumery, etc.; ten years' West-End Chemist's. Cook, 196 New Kent Road, S.E.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green.
Shares for Sale (free of commission, subject).—400 G. B. Kent 5½ per cent. Preference, 18*s.* 1½*d.*, last year's trade best for 138 years; 500 Lewis & Burrows Ordinary, 4*s.* 6*d.*; 200 6 per cent. Preference, 12*s.* 4½*d.*; 200 Evans Lescher & Webb Preference, 18*s.* 9*d.*; 140 Camwal Preference, 6*s.* 9*d.*
Wanted (subject).—100 Allenbury Preference; Idris Debentures.
Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

CHEMIST'S good second-hand 12-ft. Mahogany Drug Fitting, 6-ft. Mahogany Dispensing Screen and Counter, 4-ft. Mahogany Wall-case; 10-ft. Glass-fronted Counter; Nest of Counter Drawers; Perfumery Case and Desk; 4-ft. Bent Glass Counter Case; the lot £45; bargain; cheapest house for Window Enclosures, Mirrors, Glass Shelves, modern Shop Fronts, Improvements, etc.; plans prepared; estimates free. Mills, Shopfront, Shopfitting, and Glass Facia Works, 163-165 Old Street, London, E.C. 'Phone London Wall 550.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOPFITTINGS (SECOND-HAND).—12-ft. Mahogany and Plate-glass Serving Counter, £9 10*s.*; Mahogany and Plate-glass Perfumery Showcase and Desk, Mirror back and Plate-glass shelves, 58*s.*; 8-ft. Mahogany and Bent Plate-glass Counter-case, with Display and Serving Shelves, £6 17*s.* 6*d.*; 10-ft. handsome Piano Wall Showcase, great bargain, £21; quantities of other cheap lines. PHILIP JOSEPHS & SONS, LTD., 93 Old Street London, E.C.

CHEMISTS' Fittings.—Silent Salesman, Glass Showcases of every description, Drugfittings, Dispensing-screens, Wall-cases, Glass front Counters, Perfume-cases, Desks, Counter Drawers, Shelves Mirrors, shop-soiled, second-hand, at lowest prices; don't decide till you get my estimate; you can't get better value; 30 years fitting Pharmacies. GEORGE COOK, The Chemists' Working Shopfitter, Catherine Street, City Road, London, E.C.

McQUEEN'S A.B.C. System of Accounts; works out profit and loss account, balance sheet, etc., with guaranteed certainty; gives exactly what Surveyors of Taxes want, and is a remedy for over-assessment; practically automatic Bookkeeping; 12th edition. Particulars and testimonials free. McQueen & Co., Moat Road East, Leicester.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

DON'T TROUBLE TO THINK!

what style of Cards will ensure giving **BEST RESULTS** for your next Window Display.

SEND ALONG YOUR ORDER and particulars—**WE WILL DO THE THINKING** and supply **THE RIGHT STYLE** to secure you **EXCELLENT SALES.**

OUR PRICES ARE **LOW.** **QUALITY—THE BEST.**

F. MERTEN & CO., 72 MARLBOROUGH ROAD, HOLLOWAY, LONDON, N. | Previous Advt. cancelled

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of **1/-** for six words or less; **2d.** per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin tablets (205/22)
Argyrol (205/22)
Hydroquinine (120/64)
Lanoline tubes (B. W. & Co.'s) (205/22)
Lenigallol (119/54)
Magnesium perhydrol (205/22)
Metol (Hauff.) (120/64)
Pertussin (205/22)
Pyramidon tablets (205/22)
Quin. sulph. (120/64)
Sodium sozoiodol (205/22)
Sodium salicylate (120/64)
Thioform (119/54)
Valyl pearls (Hoecht's) (205/22)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly, and we will place them in touch with sellers:—

Acid. acetylsal., 2 lb. (203/17)
Acid. acetylsal. (Schering's), 1 lb. (204/13)
Antipyrine tablets, 4,000, gr. 5 (204/25)
Aspirin tablets (202/19)
Guaiacol carb., 1 lb. (203/17)
Hydroquinone (Evans'), 1 lb. (200/2), and 1 lb. (203/17)
Metol substitute (Evans'), 1 lb. (200/2)
Phenacetin, 8 oz. (204/25)
Phenacetin comp. 1,000, gr. (204/25)
Phenazone, 1 or 2 lb.
Pot. Permanganate, 7 lb.
Resorcin, 4 oz. (204/25)
7 oz. (203/13)
Salol, ½ lb (204/13)
Salol tablets, 1 lb., (203/17)
Sodium salicylate,
Thymol, 3 (202/19)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny word if we register the address and attach a number. No advertisement inserted for less than 6*d.*

Price-lists, trade circulars, samples, and printed matter cannot in no case be forwarded, the Box numbers being included each for specific answers to particular advertisements. The Publishers reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

GOOD books, suitable for Prelim.; cheap; send for list. Office of this Paper.

DRUGS AND CHEMICALS.

OFFERS wanted for cocain. hydroch., 8 oz. or more. 257 Archway Road, N.

RESORCIN, 5*s.* per oz.; 8 oz. acid. salicyl., 3*s.* per diuretin, 1 oz. 3*s.* 6*d.*; 2 oz. chloral hyd., 1*s.* 6*d.*; phonal, 3*s.* oz.; carriage paid. Matthew Medical Royston, Herts.

OFFERS.—4 oz. cocain. mur.; 1 lb. pot. brom. 25 oz. quin. sulph. 3*s.* 6*d.*, 100 oz. 3*s.* 3*d.*; brom.; Wr. ext. damian. liq.; Wr. tr. cannab. ind.; 8 oz. butyl chloral hydrate migranine, 6*s.*; all or part. Sarjeant, Chur

MISCELLANEOUS

POCKET canteens; overstock; any price to clear.

AIR pump by Fidler, bell-jar, Magdeburg hemis jar, cylinder and release for Galileo's expe application. Pyman, Westgate-on-Sea.

NO reasonable offer refused, shop soiled, O. remedies, Crosby's, Powell's; 14 1*s.* Lanc nature's herbal remedies, etc., etc. Send Bourne, Lincs.

OVERSTOCKED.—Good value, 2*s.* 6*d.* sponges each, 20*s.* dozen; spectacles, 17 pairs pince-n 9 pairs curl sides, steel frames, 35 pairs str frames; 11 pairs gold-filled pince-nez, etc.; measure, etc.; offers invited. 118/33, Office

WANTED.

WANTED, wall fixtures, nest drawers, bottles. pool.

COPY of the "P.J.F." wanted. Lysol, Ltd., Stratford, London, E.

WANTED, book, "Art of Dispensing" prescri friars," Beach Road, Clacton-on-Sea.

COUNTER beam scales, to weigh up to 2 or 4 lb., Donnelly, 284 Derby Street, Bolton.

OPTICAL books; Minor, Major, Chemists' books; valuation; cash offers per return. Gower, Boo taire Road, Clapham, S.W.

SURPLUS stock chemicals, drugs (original unc only), packed goods, soaps, perfumes, sundri prices, to Delmas & Co., Burlington House, Nuneaton.

Printed for the Proprietors by SPOTTISWOODE & CO., LTD., New-street Square, and Published by the Proprietors Street, in the City of London.—*February* 5, 1916.

BRUNNER, MOND & CO.'S

Alkali Products.

Crescent Brand.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

Bicarbonate of Soda.

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated Crystal Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali.
58 Degrees

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals

Caustic Soda.

Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

Bleaching Powder.

Carbonate of Ammonia

(Lump and Powder).

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

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The best and most profitabe

CEREGEN PROTEI PHOSPHA'E

LYSOL "BELL" PATHONE

British Made & British Ownel

JOHN BELL, HILLS & LUCAS, LTD.
Oxford Works, Tower Bridge Road, London, S.E.

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Supplied in Fluid and Powder Form. With guarantee of Tar Acids or Co-efficiency.

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Paste and Block Form also supplied. All approved for Sheep Scab.
Chemists and Druggists may offer the above goods under their own name and brand.

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CARBONATE, CALCINED AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGL D.

London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, C.

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